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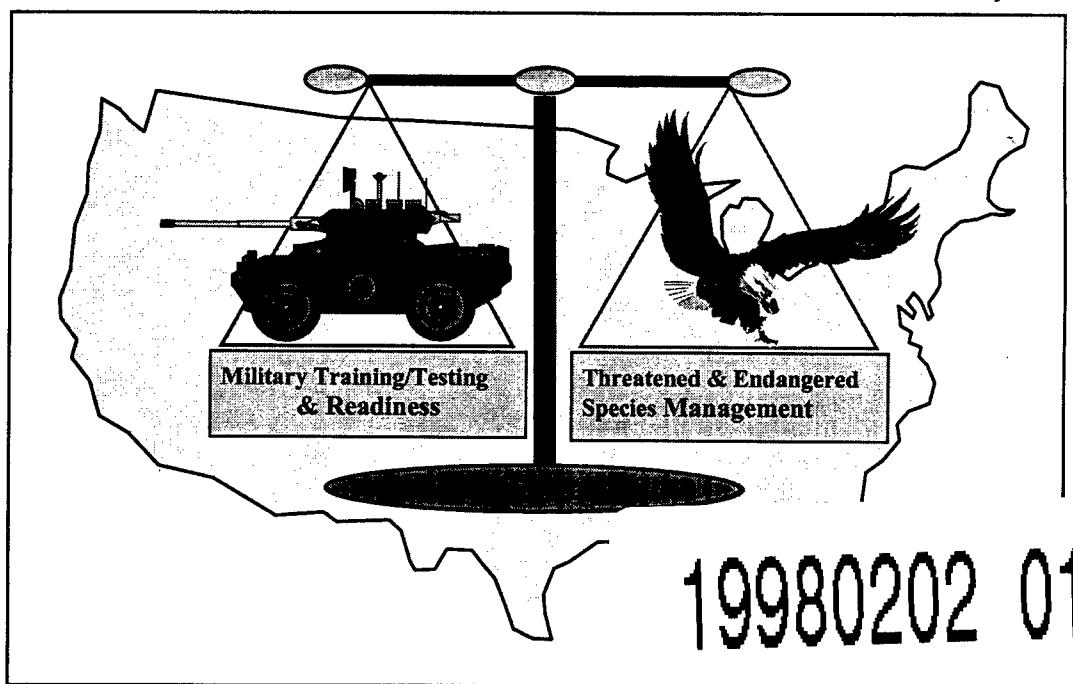
Construction Engineering
Research Laboratories

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December 1997

Installation Summaries from the 1996 Survey of Threatened and Endangered Species on Army Lands

by

Eric R. Schreiber, Rachel A. Shaw, Alison Hill, and Mary A. Reed



In November of 1996, the Army conducted a survey of the Threatened and Endangered (T&E) species residing on and contiguous to its lands. This report, intended for installation use, provides quick access to basic information from the survey on the Federally Threatened, Endangered, Proposed, and Candidate (TEPC) species that occur on Army lands. In addition to a summary of Army-wide information, data is also provided at the installation level and the

species level. Installation level data provides information on all species which occur on each installation, while species level data lists all installations on which each species occurs. Corresponding information on Federal status, critical habitat, and endangered species management plans (ESMPs) are provided for each species, in addition to points-of-contact for each installation.

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Foreword

This study was conducted for the U.S. Army Environmental Center (AEC) and the Office of the Directorate of Environmental Programs (ODEP), Assistant Chief of Staff for Installation Management (ACSIM) under Military Interdepartmental Purchase Request (MIPR) No. 3176; Work Unit ND6, "1996 TES Survey, Phase 1: Survey Development and Administration," and MIPR No. 2357; Work Unit KG7, "1996 TES Survey, Phase 2: Analysis and Reporting." The technical monitor was Scott Belfit, SFIM-AEC-ECM.

The work was performed by the Natural Resource Assessment and Management Division (LL-N) of the Land Management Laboratory (LL), U.S. Army Construction Engineering Research Laboratories (USACERL). Mary A. Reed, U.S. Army Environmental Center, assisted in the technical review. The USACERL principal investigator was Dr. Alison Hill. Robert M. Lacey is Acting Chief, CECER-LL-N; Dr. William D. Severinghaus is Operations Chief, CECER-LL. The USACERL technical editor was Gloria J. Wienke, Technical Resources Center.

COL James A. Walter is Commander and Dr. Michael J. O'Connor is Director of USACERL.

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1 Introduction

Background

The Army is required to protect state and Federally listed Threatened and Endangered (T&E) species on its lands (Army Regulation [AR] 420-74 1989). This requirement directly affects land use and management. The presence of T&E species can: (1) limit land uses, including training activities, (2) result in direct conflicts with the military mission, (3) require added financial and personnel resources to take affirmative action on behalf of listed species, and (4) involve state and Federal wildlife agencies in Army land use decision-making (Tazik, Sherman, and Courson 1991).

Compared with other Federal land management agencies, the military has a disproportionately large number of T&E species on its lands (Flather et al. 1994). In some instances, this has resulted in conflict between T&E conservation requirements and the installation commander's ability to train soldiers and test weapons and equipment to assure readiness. The Army must be able to determine the extent of potential T&E species problems in order to develop long-term management strategies while minimizing negative effects on training and testing. Because of the potential for conflict between T&E conservation and training/testing, the Office of the Directorate of Environmental Programs (ODEP) and the Army Environmental Center (AEC) are pursuing innovative ways to manage and monitor the number of T&E species on Army lands. Army leadership is committed to developing and supporting a reliable and comprehensive source of T&E species information to ensure compliance with the Endangered Species Act (ESA), Army policy, and training and testing readiness. Standardized annual T&E species data collection will allow the Army to respond to mandated information requests, and track the progress of T&E species management Army-wide (Shaw and Hill 1996).

Objectives

The objectives of this research were to:

- summarize available T&E species information from the 1996 TES survey,

- provide installations with a list of species having critical habitat and endangered species management plans, and
- provide points-of-contact for obtaining additional information.

Approach

The project consisted of two phases. Phase One was to develop a T&E survey for installations. Phase Two was to administer the survey and conduct analysis and reporting.

Phase One: Development of the Survey Instrument. The 10-month development process required substantial collaboration with the T&E Species Users Group, an advisory group consisting of members of ODEP, Army Major Commands (MACOMs), AEC, and the Office of the Deputy Chief of Staff for Operations and Plans (ODSCOP), and consultation with University of Illinois survey research experts. This phase required soliciting ideas and questions, facilitating discussions about the wording of the questions, coordinating the review of revisions, and pretesting by potential survey recipients.

Phase Two: Administration, Analysis, and Reporting. In November 1996, ODEP directed the MACOM Commanders to distribute the survey instructions and instrument, a glossary, a listing of species from the Federal Register, and a reference listing of species reported previously on installations. The packet was forwarded to installations, with a 45-day suspense. An accompanying memorandum suggested installation recipients assemble a team to fill out the survey. These key individuals might include personnel from the Directorate of Public Works (DPW) or equivalent, the Directorate of Plans and Training Mission (DPTM) or equivalent, and the Judge Advocate General (JAG) or compliance office that handle T&E issues.

A complete survey package went to all Army installations with the potential for T&E species. MACOMs assisted with determining installations having the potential for T&E species. MACOM information included acreage, known species occurrences, previous TES surveys, knowledge of the installation, etc. Installations were asked about Federally Threatened, Endangered, Proposed, and Candidate (TEPC) species known to reside on, or contiguous to, the installation. The survey consisted of approximately 50 questions. Questions asked for: (1) T&E management and compliance concerns, (2) training and testing restrictions/impacts due to T&E species, and (3) points-of-contact.

Scope

This report provides the 1996 overview of the T&E species on Army installations, and includes 248 distinct TEPC species (523 occurrences) for 201 Army installations, with corresponding information on critical habitat and endangered species management plans (ESMPs).

Mode of Technology Transfer

Headquarters, Department of the Army (HQDA) and MACOMS were provided raw data resulting from this survey. This report provides installations with summary TES information for future reference.

Updating of Data

The data is current as of January 10, 1997. Any incorrect species, misidentifications, changes in ESMP status, or new species not known at the time of the survey administration, will not be added, but will become part of the 1997 survey.

This report is the third of a series of three, with the intended audience being the Environmental and Training Managers at installations. The first report, titled *The 1996 Survey of Threatened and Endangered Species on Army Lands: A Summary Report* (Shaw, Schreiber, and Hill 1997), provides (HQDA) and MACOM summaries based on survey responses. The second report, titled *Threatened and Endangered Species on Army Installations: A MACOM Report* (Schreiber, Shaw, and Hill 1997), also provides HQDA and MACOM-level summaries; it includes installation profiles, specifying MACOM, county, point-of-contact, and a listing of all onsite and contiguous species by category, for each of the 201 installations responding to the survey.

2 Definitions

Several acronyms and terms are used consistently throughout this document. These terms are defined below:

Distinct Species — The term distinct species is synonymous with the term unique species. For example, the bald eagle is considered as one distinct or unique species, regardless of the number of installations on which it occurs. Distinct species may be calculated Army-wide, or within individual MACOMs. In either case, a particular species is counted only once.

Federal Status

- E - Federally Endangered
- T - Federally Threatened
- PE - Federally Proposed as Endangered
- PT - Federally Proposed as Threatened
- C - Candidate species for Federal listing

Installation — The term installation refers to active military installations, state National Guard Bureau (NGB) offices, NGB training sites, and regional support centers for the Army Reserve. In some cases, it was difficult to define "installation" data because some NGB state offices, for example, reported on a state-wide basis, while others reported for each training site in the state. Analyses in this report do not make a distinction between these types of locations.

Occurrence — An occurrence is a record of a species. A record refers to each time a species is recorded as being present on an installation and is synonymous with the term record in terms of the database. For example, if a bald eagle occurs on five installations it is recorded as five occurrences.

S/A — Similarity of Appearance. Certain species that closely resemble T&E species may be given the Federal status of the species they resemble. Similarity of appearance species are denoted with a T(S/A) or E(S/A). However, no distinction is made between S/A species and other T&E species.

Species Location

Both – Species known to occur both onsite and contiguous to the installation.

Contiguous– Species known to occupy or otherwise use habitat adjacent to an installation, which may be affected by installation military activities and land management practices.

Onsite – Species that have been documented within the boundaries of the installation.

T&E — The term T&E includes only Federally Threatened and Endangered species.

These two statuses include S/A species.

TEP — The term TEP includes all Federally Threatened, Endangered, Proposed Threatened, and Proposed Endangered species on Army lands but does not include Candidate species.

TEPC — The term TEPC includes all Federally Threatened, Endangered, Proposed Threatened, Proposed Endangered, and Candidate species on Army lands. Subsequent analyses that use the term TEPC refer to the status of all species.

3 Summary Information

Installation Information

A total of 201 installations responded to the 1996 T&E species survey. Of those responding, 105 (52%) installations have onsite TEPC species, 84 (42%) installations have no TEPC species, and 12 (6%) installations have strictly contiguous species. Of the 105 installations with onsite TEPC species, 100 have T&E species.

The 201 installations include: 48 Army Materiel Command (AMC), 20 Forces Command (FORSCOM), 6 Military District of Washington (MDW), 4 Medical Command (MEDCOM), 3 Military Traffic Management Command (MTMC), 80 National Guard Bureau (NGB), 16 Training and Doctrine Command (TRADOC), 14 U.S. Army Reserve Command (USARC), 9 U.S. Army, Pacific (USARPAC), and 1 U.S. Military Academy (USMA).

Appendix A lists the 117¹ installations with onsite or contiguous TEPC species, with corresponding information on scientific name, common name, Federal status, category, occurrence, critical habitat, and ESMP status for each species.

Species Information

A total of 248 distinct onsite and contiguous TEPC species (523 occurrences) were identified on 117 (58%) of the installations surveyed. These 248 TEPC species include: 147 onsite² and contiguous species (265 occurrences), 54 onsite species (128 occurrences), and 47 contiguous species (130 occurrences) (see Table 1). Of the 201 distinct onsite TEPC species, 153 are T&E.

¹ This number includes 105 installations with onsite TEPC species and 12 installations with strictly contiguous TEPC species.

² It should be noted that some species listed as onsite may also occur contiguous to the installation.

Table 1. Installation and species summary information.

	Number of installations	Number of distinct species	Number of species occurrences
Totals	201	248	523
Onsite TEPC species	105	201	393
No TEPC species	84	0	0
Strictly contiguous species	12	47	130
Onsite T&E species*	100	153	430

* Onsite T&E species are independent of the overall TEPC species numbers and cannot be added.

Of the 248 distinct species, 64% are Endangered, 14% are Threatened, 13% are Proposed Endangered, 8% are Candidates, and 1% are Proposed Threatened (Figure 1). When listed by Category, 54% of the 248 distinct species are plants, 15% are birds, 7% are snails, 5% are reptiles, fish, and mammals, 3% are clams and insects, 2% are amphibians, and 1% are crustaceans (Figure 2).

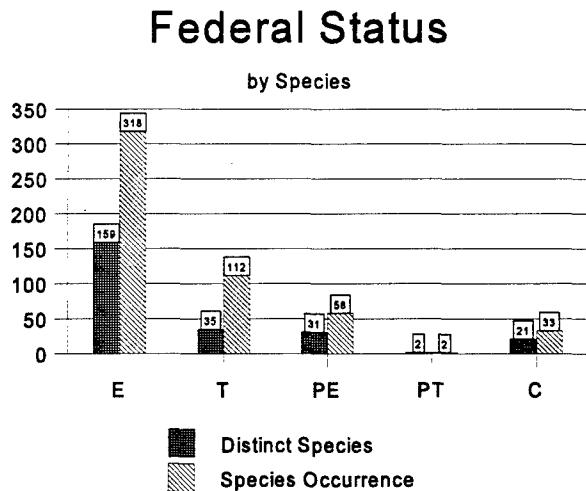


Figure 1. Federal status, by distinct species and species occurrence, for all species combined.

Distinct Species

by Category

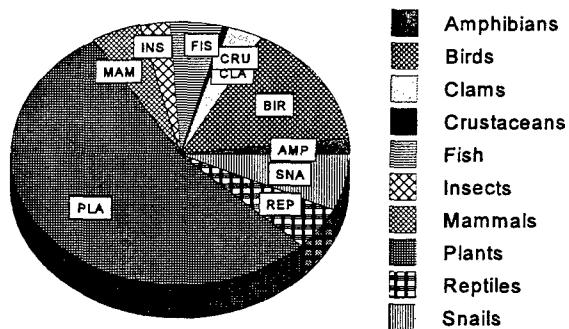


Figure 2. Distinct species, by category, for all species combined.

Of the 90 contiguous TEPC species, 67% are Endangered, 16% are Threatened, 9% are Candidates, 8% are Proposed Endangered, and 1% are Proposed Threatened (Figure 3). When divided by category, 37% of the contiguous species are plants, 24% are birds, 10% are fish, 8% are clams, 6% are mammals and reptiles, 4% are snails, 3% are insects, and 2% are amphibians (Figure 4).

Federal Status

Onsite vs. Contiguous

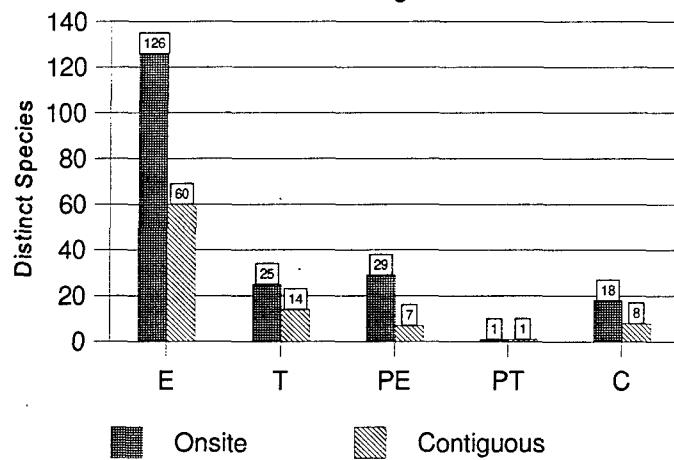


Figure 3. Distinct species, by Federal status, for onsite and contiguous species.

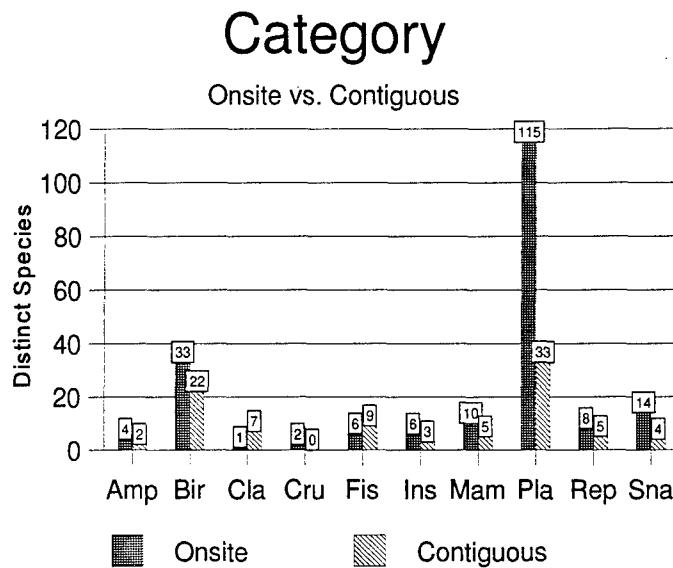


Figure 4. Distinct species, by category, for onsite and contiguous species.

Appendix B lists the 248 distinct onsite and contiguous TEPC species, with information on occurrence, critical habitat, and ESMP status for each of the corresponding installations.

Critical Habitat

Installations reported 21 distinct T&E species (32 occurrences) as having critical habitat. However, when checked against the Federal Register, only 5 species (6 occurrences) were confirmed as having critical habitat.³ Confirmed species with critical habitat include the Mexican spotted owl (Camp Navajo and Fort Huachuca), northern spotted owl (Fort Lewis), palila (Pohakuloa), desert tortoise (Fort Irwin), and the Oregon silverspot butterfly (Camp Rilea).

Endangered Species Management Plans

Of the 393 onsite Federal TEPC species occurrences, only 371 were considered "eligible" to have an endangered species management plan (ESMP). The term "eligible" refers to Federally Threatened, Endangered, and Proposed species (TEP), and assumes that Candidate species should not have an ESMP.

³ Unconfirmed records were changed in the database to reflect the status reported in the Federal Register.

Of the 371 "eligible" onsite TEP species occurrences, 219 (59%) have an ESMP that is currently under preparation or in process, 103 (28%) have not yet had an ESMP initiated, 36 (10%) have a completed ESMP, and 13 (4%) had no response.

The Army also had 46 contiguous TEP species occurrences that were considered "eligible" to have an ESMP. Of these occurrences, 40 (87%) have an ESMP that is currently under preparation or in process, and 6 (13%) have a completed ESMP.

References

Cited

- 16 U.S. Code (U.S.C.) 1536(a)(1); Army Regulation (AR) 420-74, Paragraph 6-2 *Natural Resource – Land, Forest, and Wildlife Management* (Headquarters, Department of the Army [HQDA], 25 February 1986); Federal Register (FR) 54:7539-7543, 265.7(B)(3)(b) [22 Feb 1989].
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- Tazik, D.J., R.A. Sherman, and J.A. Courson, *Annotated Directory of Threatened and Endangered Wildlife on Selected U.S. Army Installations East of the Mississippi River*, Technical Report [TR] N-91/26 (USACERL, May 1991).

Appendix A: Onsite and Contiguous TEPC Species, by Installation, with Corresponding Points-of-Contact

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed	Cat	Occur
63rd RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species		stat		
65th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
77th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
88th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
90th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
94th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
96th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
124th RSC	USAFC		C/O Tom Sinclair	404-629-8217	No Species				
Aahoaka & Wailua NGB	HI	Melissa Dumaran	808-753-4265	<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Onsite	
River LT A				<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Onsite	
				<i>Lasiorus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	
				<i>Puffinus auricularis newelli</i>	Newell's Townsend's Shearwater	T	Bird	Both	
Aberdeen Proving Ground	AMC	MD	James Pottie	410-671-4841	Acipenser brevirostrum	Shortnose Sturgeon	E	Fish	Contiguous
				<i>Cicindela puritana</i>	Puritan Tiger Beetle	T	Insect	Contiguous	
				<i>Etheostoma sellare</i>	Maryland Darter	E	Fish	Contiguous	
				<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous	
				<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	
Addicks Reservoir	NGB	TX	James Resner	512-465-5226	<i>Hymenoxys texana</i>	Texas Prairie Dawn-flower	E	Plant	Both
Adelphi Army Research Labs	AMC	MD	Robert Wardwell	301-394-1060	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
AI ARNG	NGB	AL	MAJ Wayne Sartwell	334-271-7427	No Species				
Alabama AAP	AMC	MI	C/O Rich Clewell	309-782-8252	No Species				
Arahola LTA	NGB	HI	Melissa Dumaran	808-753-4265	<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Both
Anniston Army Depot	AMC	AL	Billy Burris	205-235-4217	<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both
Artemus TS	NGB	KY	SGM Harold Disney	606-546-7838	No Species				
Atterbury Reserve Forces TA	NGB	IN	Art Howard	812-526-1249	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Auburn TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Badger AAP	AMC	WI	Douglas Rhead	608-356-5595	<i>Lepidium leptostachya</i>	Prairie Bush Clover	T	Plant	Contiguous
Bangor International Airport TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Bayonne Military Ocean Terminal	MTMC	MO	Leonard Wagner	201-823-7010	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Bluemgrass Army Depot	AMC	KY	Killye Haslett	606-625-6669	<i>Tritium stoloniferum</i>	Running Buffalo Clover	E	Plant	Both
Camel Tracks	NGB	NM	Robert Concha	505-474-1809	No Species				
Camp Adair	NGB	OR	Greg Mitchell	503-945-3851	No Species				
Camp Ashland	NGB	NE	CPT Vic Siedler	402-944-2150	No Species				
Camp Barkley	NGB	TX	James Resner	512-465-5226	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Camp Beauregard	NGB	LA	CW2 Carl Thompson	318-641-8309	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Contiguous
Camp Blanding TS	NGB	FL	Philip Hall	904-533-3456	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both
					<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both
					<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both
					<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	NR
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Mycteria americana</i>	Wood Stork	E	Bird	Both
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
					<i>Rhododendron chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite
					<i>Ursus americanus floridanus</i>	Florida Black Bear	C	Mammal	Both
Camp Clark	NGB	MO	Eugene Young	573-526-9418	<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contiguous
Camp Crowder	NGB	MO	Eugene Young	573-526-9418	<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Contiguous
					<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Myotis griseescens</i>	Gray Bat	E	Mammal	Both
					<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Contiguous
Camp Dodge	NGB	IA	Mary Jones	515-252-4648	No Species				
Camp Grafton	NGB	ND	MAJ Gary Yantzer	701-224-5246	<i>Charadrius melanotos</i>	Piping Plover	T	Bird	Both
Camp Grafton	NGB	ND	MAJ Gary Yantzer	701-224-5246	No Species				
Camp Grayling	NGB	MI	Larry Jacobs	517-348-7621	<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both
Camp Gruber	NGB	OK	Nancy Davis	918-487-6223	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both
Camp Guernsey	NGB	WY	David Palmer	307-772-5285	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Contiguous
Camp Joseph T. Robinson	NGB	AR	Kerry Koehler	501-212-5886	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Camp Maluhia LTA	NGB	HI	Melissa Dumarran	808-733-4265	No Species				
Camp McCain	NGB	MS	MAJ Robert Piazza	601-973-6109	No Species				
Camp Murray	NGB	WA	Ted Arnold	206-512-8904	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Camp Navajo Military Reservation	NGB	AZ	Christopher Pedersen	602-267-2464	<i>Clematis hirsutissima</i> var. <i>arizonica</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Strix occidentalis lucida</i>	Arizona Leather Flower Peregrine Falcon Bald Eagle Mexican Spotted Owl	C E(S/A) T T	Plant Bird Bird Bird	Both Both Both Both
Camp Rilea	NGB	OR	Greg Mitchell	503-945-3851	<i>Speyeria zerene hippolyta</i>	Oregon Silverspot Butterfly	T	Insect	Onsite
Camp Ripley	NGB	MN	Martin Skoglund	320-632-7201	<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both
Camp Roberts	NGB	CA	Julie Eliason	805-238-8265	<i>Haliaeetus leucocephalus</i> <i>Brachinecetes lynchii</i> <i>Vulpes macrotis macroura</i>	Bald Eagle	T	Bird	Onsite
Camp San Luis Obispo	NGB	CA	Julie Eliason	805-238-8265	<i>Cirsium fontinale</i> var. <i>obispoense</i> <i>Haliaeetus leucocephalus</i> <i>Rana aurora draytoni</i> <i>Vireo bellii pusillus</i>	Vernal Pool Fairy Shrimp Bald Eagle San Joaquin Kit Fox	T T T	Crustacean Bird Mammal	Both Both Both
Camp Shelby	NGB	MS	MAJ Robert Piazza	601-973-6109	<i>Gopherus polyphemus</i> <i>Isoetes louisianensis</i> <i>Picoides borealis</i>	Chorro Creek Bog Thistle California Red-legged Frog Least Bell's Vireo	E PE E	Plant Amphibian Bird	Both Both Onsite
Camp Smith	NGB	NY	MAJ Mark Warnecke	518-786-4318	<i>Acipenser brevirostrum</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Gopher Tortoise Louisiana Quillwort Red-cockaded Woodpecker	T E E	Reptile Plant Bird	Both Both Contiguous
Carlisle Barracks	TRADOC	PE			No Species	Shortnose Sturgeon Peregrine Falcon Bald Eagle	E E(S/A) T	Fish Bird Bird	Contiguous Contiguous Contiguous
Caswell TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Catoosa TS	NGB	GA	Jerry Mosley	706-935-4897	No Species				
Cedar City Armory	NGB	UT	Douglas Johnson	801-576-3960	<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	Contiguous
Central Oregon TS	NGB	OR	Greg Mitchell	503-945-3851	No Species				
Charles Melvin Price Support Center	AMC	IL	C/O Rich Clewell	309-782-8252	No Species				
Clark County TS	NGB	NV	Loren Brazell	702-887-7276	<i>Empidonax traillii extimus</i> <i>Gopherus agassizii</i>	Southwestern Willow Flycatcher Desert Tortoise	E T	Bird Reptile	Both Both
Command Readiness Center	NGN	PR	CW2 Harry Francis	401-457-4234	No Species				
Comnhukster AAP	AMC	NE	Scott Smith	913-583-3000	No Species				
Delaware ARNG	NGB	DE	CPT Scott Ralph	302-326-7132	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Contiguous
Detroit Arsenal	AMC	MI	C/O Rich Clewell	309-782-8252	No Species				
Devens RFTA	USARCF	MA	Tom Poole	508-796-2747	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Peregrine Falcon Bald Eagle	E(S/A) T	Bird Bird	Both Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Dillingham TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Anas wyvilliana</i> <i>Cyperus trachysanthos</i> <i>Fulica americana alai</i> <i>Gallinula chloropus sandwicensis</i> <i>Hibiscus brackenridgei ssp.</i> <i>mokuleianus</i> <i>Himantopus mexicanus krueperi</i> <i>Monachus schauinslandi</i> <i>Notoptichium numile</i> <i>Schiedea kealiae</i>	Hawaiian Duck Pu'uka'a Hawaiian Coot Hawaiian Gallinule Mao Hau Hele Hawaiian Stilt Hawaiian Monk Seal Kuhuli Ma oli oli	E PE E E E E E E PE	Bird Plant Bird Bird Plant Bird Mammal Plant Plant	Both Onsite Both Both Contiguous Both Both Both Onsite
Dugway Proving Ground	AMC	UT	Scott Bates	801-831-3735	<i>Charadrius montanus</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Rana pretiosa</i> <i>Spiranthes diluvialis</i>	Mountain Plover American Peregrine Falcon Bald Eagle Spotted Frog Ut Ladies'-tresses	C E T C T	Bird Bird Bird Amphibian Plant	Contiguous Contiguous Both Contiguous Contiguous
Eastern Kentucky TS	NGB	KY	SGM Harold Disney	606-546-7838	No Species				
Ethan Allen Air Force Base TS	NGB	VT	MAJ Bouchard	802-654-0300	No Species				
Ethan allen Firing Range	NGB	VT	MAJ Bouchard	802-654-0300	No Species				
Fitzsimmons AMC	MEDCOM	CO	Gilbert Gonzalez	210-221-6441	No Species				
Ft. A.P. Hill	MDW	VA	Heather Mansfield	804-633-8417	<i>Haliaeetus leucocephalus</i> <i>Helonias bullata</i> <i>Istria meleoloides</i>	Bald Eagle Swamp Pink Small Whorled Pogonia	T T T	Bird Plant Plant	Both Onsite Onsite
Ft. Belvoir	MDW	VA	Dorothy Keough	703-806-4007	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Ft. Benning	TRADOC	GA	Randy Druckman	706-544-7319	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i> <i>Myceris americana</i> <i>Picoides borealis</i> <i>Trillium reliquum</i>	American Alligator Bald Eagle Wood Stork Red-cockaded Woodpecker Relict Trillium	T T E E E	Reptile Bird Bird Bird Plant	Both Both Both Onsite Onsite
Ft. Bliss	TRADOC	TX	Rafael Corral	915-568-6977	<i>Coryphantha sneedii</i> var. <i>sneedii</i> <i>Echinocereus fendleri</i> var. <i>kunzleri</i> <i>Empidonax traillii extimus</i> <i>Falco femoralis septentrionalis</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Hedeoma tomentella</i> <i>Strix occidentalis lucida</i>	Sneed Pin cushion Cactus Kuenzler Hedgehog Cactus Southwestern Willow Flycatcher Northern Apolomado Falcon American Peregrine Falcon Bald Eagle Todsen's Pennyroyal Mexican Spotted Owl	E E E E E T E T	Plant Plant Bird Bird Both Both Both Contiguous	Both Both Both Both Both Both Both Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Bragg	FORSCOM NC	Scott Bebb	910-432-5325	<i>Lysimachia asperulaefolia</i> <i>Neonympha mitchellii francisci</i> <i>Picoides borealis</i> <i>Rhus michauxii</i> <i>Schwaibea americana</i>	Rough-leaved Loosestrife Saint Francis' Satyr Butterfly Red-cockaded Woodpecker Michaux's Sumac American Chaffseed	E E E E E	Plant Insect Bird Plant Plant	Both Onsite Both Both Both	
Ft. Buchanan	FORSCOM PR	Tony Perez	787-273-3508	<i>Banara vanderbiltii</i> <i>Buxus vanilii</i> <i>Daphnopsis hellerana</i> <i>Epicrates inornatus</i> <i>Ottoschulzia rhodoxylon</i>	Palo de Ramon Vahl Boxwood No Common Name Puerto Rican Boa Palo de Rosa	E E E E	Plant Plant Reptile Plant	Onsite Onsite Onsite Onsite	
Ft. Campbell	FORSCOM KY	Jeff Jones	502-798-9825	<i>Apios priceana</i> <i>Diromus diromas</i> <i>Epioblasma walkeri</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Lampsiliis abrupta</i> <i>Myotis grisescens</i> <i>Myotis sodalis</i> <i>Nerodia erythrogaster neglecta</i> <i>Obovaria retusa</i> <i>Plethobasus cooperianus</i> <i>Pleurobema plenum</i> <i>Quadrula fragosa</i>	Price's Potato Bean Dromedary Pearly Mussel Tan Riffleshell Peregrine Falcon Bald Eagle Pink Mucket Pearlymussel Gray Bat Indiana Bat Northern Copperbelly Water Snake Ring Pink Orange Footed Pearly Mussel Rough Pigtoe Winged Mapleleaf Mussel	T E E(S/A) T E E E PT E E	Plant Clam Bird Clam Bird Clam Mammal Mammal Reptile Clam Clam Clam Clam	Contiguous Contiguous Contiguous Both Both Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous	
Ft. Carson	FORSCOM CO	Dave Anderson	715-526-4683	<i>Charadrius montanus</i> <i>Etheostoma cragini</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Oncorhynchus clarkii stomias</i> <i>Spiranthes diluvialis</i> <i>Strix occidentalis lucida</i>	Mountain Plover Arkansas Darter American Peregrine Falcon Bald Eagle Greenback Cutthroat Trout Ute Ladies'-tresses Mexican Spotted Owl	C C E T T T	Bird Fish Bird Bird Fish Plant Bird	Both Both Both Both Onsite Onsite Both	
Ft. Chaffee	TRADOC AR	Jerry Sturdy	501-484-2883	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both	
Ft. Detrick	MEDCOM MD	Gilvert Gonzalez	210-221-6441	No Species					
Ft. Dix	FORSCOM NJ	Bert Bivings	404-669-7659	No Species					
Ft. Drum	FORSCOM NY	Bert Bivings	404-669-7659	No Species					
Ft. Eustis	TRADOC VA	Terry Sanders	757-878-2375	<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous	
Ft. George G. Meade	MDW	Bill Harmeyer	301-677-9648	No Species	Bald Eagle	T	Bird	Both	
Ft. Gillem	FORSCOM GA	Bert Bivings	404-669-7659	No Species					

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Gordon	TRADOC	GA	Ken Boyd	706-791-2403	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
					<i>Mycteria americana</i>	Wood Stork	E	Bird	Onsite
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite
Ft. Greely	USARPAC	AK	William Gossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Ft. Hamilton	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Ft. Hood	FORSCOM	TX	Dennis Herbert	817-287-2885	<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Grus americana</i>	Whooping Crane	E	Bird	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Ft. Huachuca	TRADOC	AZ	Sheridan Stone	520-533-7084	<i>Ambystoma californiense</i>	Ambystoma Californiense	C	Amphibian	Both
					<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Contiguous
					<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	Onsite
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Both
					<i>Leptonycteris curasoae</i>	Lesser Long-nosed Bat	E	Mammal	Both
					<i>Litsea sphaerocarpa</i>	Huachuca Water-umbel	PE	Plant	Both
					<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	Snail	Both
					<i>Rana subgauvocalis</i>	Ramsey Canyon Leopard Frog	C	Amphibian	Both
					<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	Both
					<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both
Ft. Hunter Liggett	USARC	CA	Liz Clark	408-386-2791	<i>Ambystoma californiense</i>	Ambystoma Californiense	C	Amphibian	Both
					<i>Branchinecta lynchii</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Onsite
					<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite
					<i>Chlorogalium purpureum</i>	Purple Amole	C	Plant	Onsite
					<i>var. purpureum</i>				
					<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both
					<i>Gymnogyps californianus</i>	California Condor	E	Bird	Contiguous
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Contiguous
					<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Both
					<i>Vulpes macrotis macrotis</i>	San Joaquin Kit Fox	E	Mammal	Both
Ft. Indianaintown Gap	NGB	PE	Jeff Olsen	717-861-8342	No Species				
Ft. Irwin	FORSCOM	CA	Mickey Quillman	619-380-3740	<i>Astragulus jaegerianus</i>	Lane Mountain Milk Vetch	C	Plant	Both
					<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both
Ft. Jackson	TRADOC	SC	Bruce Cole	803-751-7927	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Onsite
					<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Onsite
					<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Onsite
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Onsite

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Knox	TRADOC	KY	Donald Sheroan	502-624-7373	<i>Haliaeetus leucocephalus</i> <i>Myotis griseescens</i> <i>Myotis sodalis</i>	Bald Eagle Gray Bat Indiana Bat	T E E	Bird Mammal Mammal	Both Onsite Both
Ft. Lee	TRADOC	VA	Elizabeth Scholl	804-734-3560	<i>Haliaeetus leucocephalus</i> <i>Howellia aquatilis</i>	Bald Eagle	T	Bird	Both
Ft. Lewis	FORSCOM	WA	Gary Stedman	206-967-5337	<i>Haliaeetus leucocephalus</i> <i>Rana pretiosa</i> <i>Salvelinus confluentus</i> <i>Strix occidentalis caurina</i>	Water Howelia Spotted Frog Bull Trout Northern Spotted Owl	T T C T	Bird Plant Amphibian Fish	Both Contiguous Contiguous H
Ft. McClellan	TRADOC	AL	Bill Garland	205-848-7398	<i>Cyprinella carerulea</i> <i>Marshallia mohrii</i> <i>Myotis griseescens</i> <i>Picoides borealis</i> <i>Xyris tennesseensis</i>	Blue Shiner Mohr's Barbara Buttons Gray Bat Red-cockaded Woodpecker Tennessee Yellow-eyed Grass	T T E E E	Fish Plant Mammal Bird Plant	Both Onsite Both Contiguous Both
Ft. McCoy	USARC	WI	Tim Wilder	608-388-5459	<i>Canis lupus</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Lycaeides melissa samuelis</i>	Gray Wolf Peregrine Falcon Bald Eagle Karner Blue Butterfly	E E(S/A) T E	Mammal Bird Bird Insect	Contiguous Both Both Both
Ft. McNair	MDW	DC	Jewel Simmons	202-685-3387	No Species				
Ft. McPherson	FORSCOM	GA	Bert Bivings	404-669-7659	No Species				
Ft. Meyer	MDW	VA	Jewel Simmons	202-685-3387	No Species				
Ft. Monmouth	AMC	NJ	Dinkel Dasai	908-532-1475	No Species				
Ft. Monroe	TRADOC	VA	Bob Anderson	804-727-2077	No Species				
Ft. Pickett	USARC	VA	Alan Dyck	804-292-8501	<i>Haliaeetus leucocephalus</i> <i>Rhus michauxii</i>	Bald Eagle Michaux's Sumac	T E	Bird Plant	Both Onsite
Ft. Polk	FORSCOM	LA	Stephanie Stephens	318-531-6130	<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both
Ft. Richardson	USARPAC	AK	William Grossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Ft. Riley	FORSCOM	KS	Dave Jones	913-239-6211	<i>Charadrius melanotos</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Machabyopsis gelida</i> <i>Notropis topeka</i> <i>Sterna antillarum</i>	Piping Plover Peregrine Falcon Bald Eagle Sturgeon Chub Topeka Shiner Least Tern	T E(S/A) T C C E	Bird Bird Bird Fish Fish Bird	Both Both Both Both Both Both
Ft. Rucker	TRADOC	AL	C. Mayo	334-255-2416	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i> <i>Myotis griseescens</i>	American Alligator Bald Eagle Gray Bat	T(S/A) T E	Reptile Bird Mammal	Both Contiguous Contiguous
Ft. Rueter	NGB	HI	Melissa Dumaran	808-733-4265	<i>Cyperus trachysanthos</i>	Pu uka'a	PE	Plant	Onsite

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Ft. Sam Houston	MEDCOM	TX	Jackie Schlatter	210-221-5093	<i>Dendroica chrysoparia</i> <i>Vireo atricapillus</i>	Golden-cheeked Warbler Black-capped Vireo	E	Bird	Both
Ft. Sill	TRADOC	OK	Glen Wampler	405-442-4324	<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both
Ft. Stewart & Hunter Army Airfield	FORSCOM	GA	Tim Beaty	912-767-7261	<i>Acipternis brevirostrum</i> <i>Drymarchon corais couperi</i> <i>Haliaeetus leucocephalus</i> <i>Mycteria americana</i> <i>Picoides borealis</i>	Shortnose Sturgeon Eastern Indigo Snake Bald Eagle Wood Stork Red-cockaded Woodpecker	E	Bird	Both
Ft. Totten	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Ft. Wainwright	USARPAC	AK	William Gossweiler	907-384-3017	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Onsite
Gardiner TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Grubbs/Kyle TC	NGB	TN	James Wicker	616-355-3778	No Species				
Hancock Army Complex	FORSCOM	NY	Bert Bivings	404-669-7659	No Species				
Hastings TS	NGB	NE	MAJ David Peterson	402-463-7192	No Species				
Hawthorne Army Depot	AMC	NV	Jim Purrell	702-945-7590	No Species				
Hollis Plains TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species				
Holston AAP	AMC	TN	Gregory Lee	423-578-6276	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Indiana AAP	AMC	IN	Walt McClellan	812-284-7616	<i>Myotis grisescens</i> <i>Myotis sodalis</i>	Gray Bat Indiana Bat	E	Mammal	Contiguous
Iowa AAP	AMC	IA	Joe Haffner	319-753-7903	No Species				
Jefferson Proving Ground	AMC	IN	Ken Knouf	812-273-2551	<i>Delissea subcordata</i> <i>Myotis sodalis</i>	'Oha Indiana Bat	PE E	Bird Mammal	Onsite Onsite
John Sevier Range NGB	AMC	TN	Vernon Callahan	615-423-6655	No Species				
Joliet AAP	AMC	IL	Arthur Holz	815-423-2877	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat.	Cat	Occur	
Kahuku TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella curta</i> <i>Achatinella dimorpha</i> <i>Achatinella soberbyana</i> <i>Achatinella valida</i> <i>Adenophorus perakensis</i> <i>Chamaesyce rockii</i> <i>Chasiempis sandwicensis ibidis</i> <i>Cyanea grimesiana ssp. grimesiana</i> <i>Cyanea koolauensis</i> <i>Cyanea longiflora</i> <i>Eugenia koolauensis</i> <i>Gardenia manii</i> <i>Hesperomea arborescens</i> <i>Phyllostegia hirsuta</i> <i>Solanum sandwicense</i> <i>Tetraplasandra gymnocarpa</i>	Pupu Kuahiwi Pupu Kuahiwi Pupu Kuahiwi Pupu Kuahiwi No Common Name Akoko Oahu 'Elepaio Haha Oha Haha Oha Haha Oha Nioi Nanu No Common Name Popolo 'Alakeakua 'Ohe 'ohe	E E E E E PE C E PE PE E PE E E E E	Snail Snail Snail Snail Plant Plant Bird Plant Plant Both Both Both Both Both Both Both Both Both Both	Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous	Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite
Kaneo LTA	NGB	HI	Melissa Dumaran	808-733-4265	<i>Manduca blackburni</i> <i>Pterodroma phaeopygia sandwicensis</i> <i>Sesbania tomentosa</i>	Blackburn's Sphinx Moth Hawaiian Dark-rumped Petrel	C E	Insect Bird	Onsite Onsite	
Kansas AAP	AMC	KS	Alan Hynek	316-421-7427	No Species	Chai	E	Plant	Onsite	

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Kawaiiloa TA	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella fulmooides</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella leucoraphe</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Both
					<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite
					<i>Adenophorus perakensis</i>	No Common Name	E	Plant	Onsite
					<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Both
					<i>Chasiempis sandwichensis ibidis</i>	Oahu 'Elepaio	C	Bird	Both
					<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Both
					<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both
					<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both
					<i>Cyrtoandra dentata</i>	Haiwale	PE	Plant	Onsite
					<i>Cyrtoandra viridiflora</i>	Haiwale	PE	Plant	Both
					<i>Delissea subcordata</i>	'Oha	PE	Plant	Contiguous
					<i>Eugenia koolauensis</i>	Nioi	E	Plant	Contiguous
					<i>Gardenia manni</i>	Nanu	PE	Plant	Both
					<i>Hesperomeania arboreocens</i>	No Common Name	E	Plant	Both
					<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Both
					<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both
					<i>Lobelia gaudichaudii</i>	Haha Oha	PE	Plant	Both
					ssp. <i>koolauensis</i>	Haha Oha	E	Plant	Both
					<i>Lobelia oahuensis</i>	Wawa'e 'ole	E	Plant	Onsite
					<i>Lycopodium nutans</i>	Alani	E	Plant	Onsite
					<i>Melicope lydgatei</i>	Kolea	PE	Plant	Both
					<i>Myrsine judii</i>	Molokai Creeper	E	Bird	Both
					<i>Paroreomyza flammea</i>	No Common Name	PE	Plant	Onsite
					<i>Phyllostegia hirsuta</i>	No Common Name	E	Plant	Onsite
					<i>Phyllostegia parviflora</i> var. <i>parviflora</i>	No Common Name	E	Plant	Both
					<i>Plantago princeps</i>	Laukahui Kuahiwai	E	Plant	Both
					var. <i>longibracteata</i>	No Common Name	PE	Plant	Contiguous
					<i>Platanthera holochila</i>	No Common Name	E	Plant	Onsite
					<i>Pieris ligulata</i>	No Common Name	E	Plant	Both
					<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both
					<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both
					<i>Tetraplasandra gymnocarpa</i>	'Ohé 'ohe	E	Plant	Both
					<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur	
Keaauku LTA	NGB	HI	Melissa Dumaran	808-733-4265	<i>Anas wyvilliana</i> <i>Buteo solitarius</i> <i>Colubrina oppositifolia</i> <i>Haplostachys haplostachya</i> <i>Isodendrion hosakae</i> <i>Lasiorus cinereus semotus</i> <i>Lipochaeta venosa</i> <i>Loxops coccineus coccineus</i> <i>Nesochen sandvicensis</i> <i>Nothocestrum breviflorum</i> <i>Oreomystis mana</i> <i>Ponulaca sclerocarpa</i> <i>Tetramolopium arenarium</i> <i>Vigna o-wahuensis</i> <i>Zanthoxylum hawaiiense</i>	Hawaiian Duck Hawaiian Hawk Kaula No Common Name Aupaka Hawaiian Hoary Bat No Common Name Hawaii 'Akepa Hawaiian Goose Aiea Hawaii Creeper Poe No Common Name No Common Name A'e	E E E E E E E E E E E E E E E	Bird Bird Plant Plant Plant Mammal Plant Bird Bird Plant Bird Plant Plant Plant	Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite	Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite
Keaukaha Military Reservation	NGB	HI	Melissa Dumaran	808-733-4265	<i>Lasiorus cinereus semotus</i>	Hawaiian Hoary Bat	E	Plant	Onsite	
Kekaha LTA	NGB	HI	Melissa Dumaran	808-733-4265	<i>Anas wyvilliana</i> <i>Buteo solitarius</i> <i>Fulica americana alai</i> <i>Gallinula chloropus sandvicensis</i> <i>Himantopus mexicanus knudseni</i> <i>Lasiorus cinereus semotus</i> <i>Nesochen sandvicensis</i>	Hawaiian Duck Hawaiian Hawk Hawaiian Coot Hawaiian Gallinule Hawaiian Stilt Hawaiian Hoary Bat Hawaiian Goose	E E E E E E E	Bird Bird Bird Bird Bird Mammal Bird	Contiguous Onsite Contiguous Contiguous Contiguous Both Both	Onsite Onsite Onsite Onsite Onsite Onsite Onsite
Lake City AAP	AMC	MO	Scott Smith	913-583-3000	No Species					
Leesburg TS	NGB	SC	C. Bryan Hall	803-806-2236	<i>Echinacea laevigata</i> <i>Lysimachia asperulaefolia</i> <i>Picoides borealis</i>	Smooth Coneflower Rough-leaved Loosestrife Red-cockaded Woodpecker	E E E	Plant Plant Bird	Onsite Onsite Onsite	
Letterkenny Army Depot	AMC	PE	Randy Quinn	717-267-8438	<i>Clemmys marmorata</i>	Bog (Northern Population) Turtle	C	Reptile	Onsite	
Lil Aaron Straus Wilderness Area	NGB	MD	CPT Chris Cole	410-576-6132	<i>Ptilium nodosum</i>	Harperella	E	Plant	Both	
Lima Army Tank Plant	AMC	OH	Phil Dawson	419-221-9537	No Species					
Longhorn AAP	AMC	TX	Paul Hagerty	318-459-5479	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	
Louisiana AAP	AMC	LA	Paul Hagerty	318-459-5479	<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	
Macon TS	NGB	MO	Eugene Young	573-526-9418	<i>Haliaeetus leucocephalus</i> <i>Myotis sodalis</i>	Bald Eagle Indiana Bat	T F	Bird Mammal	Both Continuous	

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Makua Military Reservation	USARPAC	HI	Steve Kim	808-656-2878	<i>Achatinella mustelina</i> <i>Alectryon macrococcus</i> var. <i>macrococcus</i>	Pupu Kuahiwai Mahoe Alā alaha	E E	Snail Plant	Both Both
					<i>Alishindendron obovatum</i>	No Common Name	E	Plant	Both
					<i>Bonamia menziesii</i>	No Common Name	E	Plant	Onsite
					<i>Caesalpinia kavaiense</i>	Ihiuli	E	Plant	Onsite
					<i>Cenchrus agrimonoides</i>	Kamanomano	PE	Plant	Onsite
					<i>Chasiempis sandwichensis ibidis</i>	Oahu 'Elepaio	C	Bird	Both
					<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Contiguous
					<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	E	Plant	Onsite
					<i>Delissea subcordata</i>	'Oha	PE	Plant	Contiguous
					<i>Dielebia falcata</i>	No Common Name	E	Plant	Both
					<i>Dubautia herbistobatae</i>	Na'ena'e	E	Plant	Both
					<i>Euphorbia haaleleleana</i>	Akoko	PE	Plant	Onsite
					<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite
					<i>Hedychium parvula</i>	No Common Name	E	Plant	Both
					<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both
					<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite
					<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Contiguous
					<i>Neriodia angulata</i> var. <i>angulata</i>	Ma'aloa	E	Plant	Onsite
					<i>Neriodia angulata</i> var. <i>dentata</i>	Ma'aloa	E	Plant	Onsite
					<i>Nototrichium humile</i>	Kulu'i	E	Plant	Both
					<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both
					<i>Plantago princeps</i> var. <i>princeps</i>	Laukahi Kuahiwai	E	Plant	Both
					<i>Pritchardia kaiiae</i>	Loulu	PE	Plant	Onsite
					<i>Sanicula mariversa</i>	No Common Name	E	Plant	Both
					<i>Schiiedea hookeri</i>	No Common Name	PE	Plant	Both
					<i>Schiiedea nuttallii</i>	No Common Name	E	Plant	Onsite
					<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Both
					<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both
					<i>Tetramolopium filiforme</i>	No Common Name	E	Plant	Both
					var. <i>polyphyllum</i>	No Common Name	E	Plant	Contiguous
					<i>Tetramolopium lepidotum</i>				
					ssp. <i>lepidotum</i>				
					<i>Viola charmissoniana</i>	Pamakanī	E	Plant	Onsite
					ssp. <i>chamissoniana</i>				
Marseilles TA	NGB	IL	Jon Casebeer	217-785-3392	No Species				
Martinez Reserve Center	USARC	FL	John Nettles	305-378-4822	<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	Deltoid Spurge	E	Plant	Both
McAlester AAP	AMC	OK	Bill Starry	918-421-2611	<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Both
Mead TS	NGB	NE	CPT Vic Stidler	402-944-2150	No Species				
McAllen AAP	AMC	TM	Captain Stidler	901-606-6211	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Milan TS	NGB	TN	Jerry Yearwood	901-783-3975	No Species				
Natick RD&E Center	AMC	MA	C/O Rich Clewell	309-792-8252	No Species				
NE-ARNG	NGB	NE	CPT David Wunibald	402-471-7136	No Species				
New Jersey National Guard	NGB	NJ	Dean Arrighi	609-530-7136	No Species				
Newport Chemical Depot	AMC	IN	Phillip Cox	317-245-4324	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Oakland Army Base	MTMC	CA	Richard Andrews	510-466-2694	No Species				
Orchard TA	NGB	ID	Dana Quinney	208-422-4181	No Species				
Parks RFTA	USARC	CA	Marshall Marik	510-803-5638	<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Both
Picatinny Arsenal Tacom-ARDEC	AMC	NJ	Jon Vandeventer	201-724-4691	<i>Clemmys mohlenbergii</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Myotis sodalis</i>	Bog (Northern Population) Turtle American Peregrine Falcon Bald Eagle Indiana Bat	E	Mammal	Contiguous
Pine Bluff Arsenal	AMC	AR	Charles Becker	501-540-2834	<i>Alligator mississippiensis</i> <i>Haliaeetus leucocephalus</i>	American Alligator Bald Eagle	C	Reptile	Contiguous
Pinon Canyon Maneuver Site	FORSCOM	CO	Dave Anderson	715-526-4683	<i>Charadrius montanus</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Vulpes velox</i>	Mountain Plover American Peregrine Falcon Bald Eagle Swift Fox	E	Bird	Both
Plymouth TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species		C	Mammal	Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur	
Pu'u Pa LTA	NGB	HI	Melissa Dumaran	808-733-4265	<i>Buteo solitarius</i> <i>Colubrina oppositifolia</i> <i>Lasurus cinereus semotus</i> <i>Lipochaeta venosa</i> <i>Loxops coccineus coccineus</i> <i>Nothocestrum breviflorum</i> <i>Oreomytis mana</i> <i>Portulaca sclerocarpa</i> <i>Stenogyne angustifolia</i> <i>Tetramolopium arenarium</i> <i>arenarium</i>	Hawaiian Hawk Kauila Hawaiian Hoary Bat No Common Name Hawaii Akapea Aiea Hawaii Creeper Po'e No Common Name No Common Name	E E E E E E E E E E	Bird Plant Mammal Plant Bird Plant Bird Plant Plant Plant	Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite	Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite Onsite
Radford AAP	AMC	VA	Charles Chase	540-693-8649	<i>Echinacea laevigata</i> <i>Polygoniscus virginianus</i>	Smooth Coneflower Virginia Fringed Mountain Snail	E E	Plant Snail	Contiguous Both	
Ravenna AAP	AMC	OH	Tim Morgan	330-358-7311	<i>Aconitum noveboracense</i> <i>Haliaeetus leucocephalus</i> <i>Myotis sodalis</i>	Northern Wild Monkshood Bald Eagle Indiana Bat	T T E	Plant Bird Mammal	Contiguous Contiguous Contiguous	
Red River Army Depot	AMC	TX	Bennie Murray	903-334-2379	No Species					
Redstone Arsenal	AMC	AL	Danny Durn	205-955-6970	<i>Alligator mississippiensis</i> <i>Apios priceana</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Myotis griseescens</i> <i>Palaeomonias alabamae</i>	American Alligator Price's Potato Bean American Peregrine Falcon Bald Eagle Gray Bat Alabama Cave Shrimp	T(S/A) T E T E E	Reptile Plant Falcon Bird Mammal Crustacean	Both Onsite Both Both Both Both	
Regional Training Institute	NGB	NH	Zachary Boyajian	603-228-1135	<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	Plant	Contiguous	
Riley-Bog Brook TS	NGB	ME	MAJ Tim Bowman	207-626-4395	No Species					
Rock Island Arsenal	AMC	IL	Rich Todd	309-782-2045	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	
Savanna Army Depot Activity	AMC	IL	Bob Speaker	815-273-8533	<i>Haliaeetus leucocephalus</i> <i>Lampsilis higginsi</i> <i>Myotis sodalis</i>	Bald Eagle Higgins' Eye Pearlymussel Indiana Bat	T E E	Bird Clam Mammal	Both Both Contiguous	

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Schofield Barracks Military Reservation	USARPAC HI	Steve Kim	808-656-2878	<i>Abutilon sandwicense</i>	No Common Name	Pupu Kuahiwi	E	Plant	Contiguous
				<i>Achatinella apexfulva</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Onsite
				<i>Achatinella byronii</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Achatinella decipiens</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Achatinella leucoraphe</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Achatinella mustelina</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Achatinella swiftii</i>	Pupu Kuahiwi	Pupu Kuahiwi	E	Snail	Both
				<i>Alectryon macrococcus</i>	Mahoe Al'aahuia	Mahoe Al'aahuia	E	Plant	Both
				<i>Alsinidendron trinerve</i>	No Common Name	Kamanomano	E	Plant	Both
				<i>Cenchrus agrestimoides</i>	Akoko	Oahu 'Elepaio	PE	Plant	Onsite
				<i>Chamaesyce rockii</i>	Pauoa	Pauoa	PE	Plant	Both
				<i>Chasiempis sandwichensis ibidis</i>	Haha Oha	Haha Oha	C	Bird	Contiguous
				<i>Ctenitis squamigera</i>	Haha Oha	Haha Oha	E	Plant	Both
				<i>Cyanea acuminata</i>	Haha Oha	Haha Oha	E	Plant	Both
				<i>Cyanea grimesiana</i> ssp. <i>obatae</i>	Haha Oha	Haha Oha	E	Plant	Contiguous
				<i>Cyanea koolauensis</i>	Haha Oha	Haha Oha	E	Plant	Both
				<i>Cyanea longiflora</i>	Haha Oha	Haha Oha	E	Plant	Both
				<i>Cyanea superba</i> ssp. <i>superba</i>	Oha	Oha	E	Plant	Onsite
				<i>Cyrstandra subumbellata</i>	Haiwale 'Oha	Haiwale 'Oha	PE	Plant	Both
				<i>Delissea subcordata</i>	No Common Name	No Common Name	PE	Plant	Contiguous
				<i>Dicella falcata</i>	No Common Name	No Common Name	E	Plant	Both
				<i>Diplazium molokaiense</i>	Fosberg's Love Grass	Fosberg's Love Grass	E	Plant	Contiguous
				<i>Eragrostis fosbergii</i>	Mehamehame	Mehamehame	PE	Plant	Contiguous
				<i>Flueggea neowawraea</i>	Nanu	Nanu	E	Plant	Both
				<i>Gardenia manii</i>	No Common Name	No Common Name	E	Plant	Both
				<i>Hesperomeania arboreascens</i>	Aupaka	Kamakahala	PE	Plant	Both
				<i>Isodendron laurifolium</i>	Anaunu	Hawaiian Hoary Bat	PE	Plant	Onsite
				<i>Labordia cyrtandrae</i>	Nehe	Nehe	E	Mammal	Both
				<i>Lasiusurus cinereus semotus</i>	Haha Oha	Haha Oha	E	Plant	Contiguous
				<i>Lepidium arbuscula</i>	Haha Oha	Haha Oha	E	Plant	Both
				<i>Lipochaeta lobata</i> var. <i>leptophylla</i>	Wawa'e Iole	Wawa'e Iole	E	Plant	Onsite
				<i>Lobelia niihauensis</i>	Ma'aloa	Ma'aloa	E	Plant	Contiguous
				<i>Lobelia oahuensis</i>	Kulu'i	Kulu'i	E	Plant	Both
				<i>Lycopodium nutans</i>	Molokai Creeper	Molokai Creeper	PE	Plant	Both
				<i>Neraudia angulata</i> var. <i>angulata</i>	No Common Name	No Common Name	E	Plant	Both
				<i>Nototrichium humile</i>	Loulou	Loulou	PE	Plant	Contiguous
				<i>Paroreomyza flammea</i>	No Common Name	No Common Name			
				<i>Phyllostegia hirsuta</i>					
				<i>Phyllostegia mollis</i>					
				<i>Pritchardia kaalae</i>					

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Schofield Barracks Military Reservation (Cont'd)	USARPAC	HI	Steven Kim	808-656-2878	<i>Pteris ilicifolia</i> <i>Sarcocaula purpurea</i> <i>Schiiedea hookeri</i> <i>Schiiedea nuttallii</i> <i>Solanum sandwicense</i> <i>Stenogyne kanehoana</i> <i>Tetramolopium lepidotum</i> ssp. <i>lepidotum</i> <i>Tetraplasandra gymnocarpa</i> <i>Urera kaalae</i> <i>Viola chamissoniana</i> ssp. <i>chamissoniana</i> <i>Viola oahuensis</i>	No Common Name No Common Name No Common Name No Common Name Popolo 'Aakeakua No Common Name No Common Name `Ohe `ohe Opuhe Pamakari	E PE PE PE E Plant E	Plant Plant Plant Plant Contiguous Contiguous Contiguous Contiguous Contiguous	Onsite Both Both Contiguous Contiguous Contiguous Contiguous
Sea Girt National Guard TC	NGB	NJ	Donald Beck	908-974-5950	No Species	No Common Name	PE	Plant	Both
Seneca Army Depot	AMC	NY	Michael Stoika	607-869-1532	No Species				
Sierra Army Depot	AMC	CA	John Colberg	916-827-4454	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> <i>Lampsilis abrupta</i> <i>Machrybopsis gelida</i> <i>Myotis grisescens</i> <i>Notropis topeka</i> <i>Scaphirhynchus albus</i> <i>Sterna antillarum</i>	Peregrine Falcon Bald Eagle Pink Mucket Pearlymussel Sturgeon Chub Sicklefin Chub Gray Bat Topeka Shiner Palid Sturgeon Least Tern	E(S/A) T	Bird Bird	Both Both
Skelton TS	NGB	MO	Eugene Young	573-526-9418	<i>Haliaeetus leucocephalus</i> <i>Macrybopsis gelida</i> <i>Myotis grisescens</i> <i>Notropis topeka</i> <i>Scaphirhynchus albus</i> <i>Sterna antillarum</i>	Bald Eagle Pink Mucket Pearlymussel Sturgeon Chub Sicklefin Chub Gray Bat Topeka Shiner Palid Sturgeon Least Tern	T E C C E C E	Bird Clam Fish Fish Mammal Fish Fish	Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous Contiguous
St. George Army NGB	UT	Douglas Johnson	801-576-3960	<i>Arctomecon humilis</i>	<i>Lycaeides melissa samuelis</i>	Dwarf Bearclaw Poppy	E	Plant	Both
State Military Reservation	NGB	NH	Zachary Boyajian	603-228-1135		Karner Blue Butterfly	E	Insect	Contiguous
Stead TS	NGB	NV	Loren Brazell	702-887-7276	<i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Peregrine Falcon Bald Eagle	E(S/A) T	Bird Bird	Both Both
Sunflower AAP	AMC	KS	Scott Smith	913-583-3000	<i>Asclepias meadii</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i>	Mead's Milkweed Peregrine Falcon Bald Eagle	T E(S/A) T	Plant Bird Bird	Contiguous Contiguous Both

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat	Cat	Occur
Sunny Point	MTMC	NC	Tony Gaw	910-457-8429	<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Contiguous
					<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both
					<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	Plant	Contiguous
					<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	Reptile	Contiguous
					<i>Charadrius melanotos</i>	Piping Plover	T	Bird	Contiguous
					<i>Chelonia mydas</i>	Green Sea Turtle	T	Reptile	Contiguous
					<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	Reptile	Contiguous
					<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contiguous
					<i>Felis concolor cougar</i>	Eastern Cougar	E	Mammal	Both
					<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
					<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	Reptile	Contiguous
					<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both
					<i>Mycteria americana</i>	Wood Stork	E	Contiguous	Contiguous
					<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Both
					<i>Sterna dougallii dougallii</i>	Roseate Tern	E	Bird	Contiguous
					<i>Thalictrum cooleyi</i>	Cooley's Meadowrue	E	Plant	Contiguous
					<i>Trichechus manatus</i>	West Indian Manatee	E	Mammal	Contiguous
Tobiahanna Army Depot	AMC	PE	Randy Didier	717-895-7090	No Species				
Tooele Army Depot	AMC	UT	Mason Walker	801-833-8733	<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Both
Truman TS	NGB	MO	Eugene Young	573-526-9418	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Tullahoma TS	NGB	TN	Harvey White	615-454-1964	<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contiguous
Twin Cities AAP	AMC	MN	Douglas Rhead	612-633-2303	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both
Ukumehame Firing Range	NGB	HI	Melissa Dumaran	808-733-4265	<i>Myotis griseescens</i>	Gray Bat	E	Mammal	Contiguous
Umatilla Chemical Depot	AMC	OR	Bob Nelson	541-564-5252	<i>Helianthus eggertii</i>	Egret's Sunflower	PT	Plant	Both
VA-ARNG	NGB	VA	Eileen Williams	804-775-9427	<i>Myotis griseescens</i>	Gray Bat	E	Mammal	Contiguous
Vancouver Barracks	FORSCOM	WA	Bert Bivings	404-669-7659	No Species	Bald Eagle	T	Bird	Both
VI-ARNG	NGB	VI	Charles McGregor	809-778-2176	No Species				
Vint Hill Farms Station	AMC	VA	C/O Rich Clewell	309-782-8252	No Species				
Volunteer AAP	AMC	TN	Gregory Lee	423-578-6276	<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite
Walter Reed AMG	MEDCOM	DC	Gilbert Gonzalez	210-221-6441	No Species				

Installation	MACOM	State	POC	Phone	Scientific Name	Common Name	Fed stat.	Cat	Occur
Wappapello TS	NGB	MO	Eugene Young	573-526-9418	<i>Haliaeetus leucocephalus</i> <i>Lampsilis abrupta</i> <i>Lindera melissifolia</i>	Bald Eagle Pink Mucket Pearlymussel Pondberry	T E E	Bird Clam Plant	Contiguous Contiguous Contiguous
Watervliet Arsenal	AMC	NY	C/O Rich Clewell	309-782-8252	No Species				
West Point	USMA	NY	James Beemer	914-938-2314	<i>Acipenser brevirostrum</i> <i>Haliaeetus leucocephalus</i>	Shortnose Sturgeon Bald Eagle	E T	Fish Bird	Both Both
Western Kentucky TS	NGB	KY	CW4 Joe Wilkins	502-338-5541	<i>Myotis griseescens</i>	Gray Bat	E	Mammal	Both
White Sands Missile Range	AMC	NM	Dave Anderson	505-678-7817	<i>Charadrius montanus</i> <i>Epidonax tridactylus eximus</i> <i>Falco femoralis septentrionalis</i> <i>Falco peregrinus anatum</i> <i>Haliaeetus leucocephalus</i> <i>Hedeoma todsenii</i> <i>Strix occidentalis lucida</i>	Mountain Plover Southwestern Willow Flycatcher Northern Apolomado Falcon American Peregrine Falcon Bald Eagle Todsen's Pennyroyal Mexican Spotted Owl	C E E E T E T	Bird Bird Bird Bird Bird Plant Bird	Contiguous Contiguous Both Both Both Both Contiguous
WI-ARNG	NGB	WI	Kerry Nicholls	608-242-3359	No Species				
Yakima TC	FORSCOM	WA	Margaret Pounds	509-577-3402	<i>Erigeron basalticus</i> <i>Falco peregrinus</i> <i>Haliaeetus leucocephalus</i> var. <i>nichollii</i>	Basalt Daisy Peregrine Falcon Bald Eagle	C E(S/A) T	Plant Bird Bird	Both Contiguous Both
Yuma Proving Ground	AMC	AZ	Junior Kerns	520-328-2148	<i>Echinocactus horizonthalonius</i> <i>Gopherus agassizii</i> (Sonoran Population)	Nichol's Turk's Head Cactus Sonoran Population of the Desert Tortoise	E	Plant	Onsite
								T(S/A) Reptile	Both

Appendix B: Critical Habitat and ESMP Status for Onsite and Contiguous TEPC Species, With Corresponding Installations

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Abutilon sandwicense</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella rosea</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Achatinella apexfulva</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella bulimoides</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Achatinella byronii</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawaiola TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella curta</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Achatinella decipiens</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawaiola TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella dimorpha</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Achatinella leucorraphe</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella lila</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawaiola TA	None	In Preparation
<i>Achatinella livida</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Kawaiola TA	None	In Preparation
<i>Achatinella mustelina</i>	Pupu Kuahiwi	E	Snail	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella pulcherrima</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Achatinella sowerbyana</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawaiola TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella swiftii</i>	Pupu Kuahiwi	E	Snail	Onsite	USARPAC	Kawaiola TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Achatinella valida</i>	Pupu Kuahiwi	E	Snail	Contig.	USARPAC	Kahuku TA	None	In Preparation
<i>Acipenser brevirostrum</i>	Shortnose Sturgeon	E	Fish	Contig.	AMC	Aberdeen Proving Ground	None	None
				Contig.	NGB	Camp Smith	None	None
				Contig.	NGB	Delaware ARNG	None	None
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
				Both	USMA	West Point	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Aconitum noveboracense</i>	Northern Wild Monkshood	T	Plant	Contig.	AMC	Ravenna AAP	None	None
<i>Adenophorus periens</i>	No Common Name	E	Plant	Onsite	USARPAC	Kahuku TA	None	In Preparation
				Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Alectryon macrococcus</i>	Mahoe Ala'alahua	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Alligator mississippiensis</i>	American Alligator	T(S/A)	Reptile	Both	NGB	Camp Blanding TS	None	Completed
				Both	TRADOC	Ft. Benning	None	In Preparation
				Onsite	TRADOC	Ft. Jackson	None	None
				Both	TRADOC	Ft. Rucker	None	None
				Both	AMC	Longhorn AAP	None	None
				Both	AMC	Louisiana AAP	None	None
				Both	AMC	Pine Bluff Arsenal	None	None
				Both	AMC	Redstone Arsenal	None	None
				Both	MTMC	Sunny Point	None	In Preparation
<i>Alsinidendron obovatum</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Alsinidendron trinerve</i>	No Common Name	E	Plant	Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Amaranthus pumilus</i>	Seabeach Amaranth	T	Plant	Contig.	MTMC	Sunny Point	None	None
<i>Amblyopsis rosae</i>	Ozark Cavefish	T	Fish	Contig.	NGB	Camp Crowder	None	In Preparation
<i>Ambystoma californiense</i>	Ambystoma californiense	C	Amphibian	Both	TRADOC	Ft. Huachuca	NA	NA
				Both	USARC	Ft. Hunter Liggett	NA	NA
<i>Anas wyvilliana</i>	Hawaiian Duck	E	Bird	Onsite	NGB	Aahoaka & Wailua River LTA	None	None
				Both	NGB	Anahola LTA	None	None
				Both	USARPAC	Dillingham TA	None	In Preparation
				Onsite	NGB	Keamuku LTA	None	None
				Contig.	NGB	Kekaha LTA	None	None
<i>Anniella pulchra nigra</i>	California Black Legless Lizard	PE	Reptile	Both	TRADOC	Pom Annex	NA	Completed
<i>Aphelocoma coerulescens</i>	Florida Scrub Jay	T	Bird	Both	NGB	Camp Blanding TS	None	Completed
<i>Apios priceana</i>	Price's Potato Bean	T	Plant	Contig.	FORSCOM	Ft. Campbell	None	None
				Onsite	AMC	Redstone Arsenal	None	In Preparation
<i>Arctomecon humilis</i>	Dwarf Bearclaw Poppy	E	Plant	Both	NGB	St. George Armory	None	Completed
<i>Asclepias meadii</i>	Mead's Milkweed	T	Plant	Contig.	NGB	Camp Clark	None	None
				Contig.	AMC	Sunflower AAP	None	None
				Contig.	NGB	Truman TS	None	None
<i>Asplenium fragile var. insulare</i>	Fragile Fern	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Astragalus jaegerianus</i>	Lane Mountain Milk Vetch	C	Plant	Both	FORSCOM	Ft. Irwin	NA	NA
<i>Banara vanderbiltii</i>	Palo de Ramon	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Bonamia menziesii</i>	No Common Name	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Branchinecta lynchii</i>	Vernal Pool Fairy Shrimp	T	Crustacean	Both	NGB	Camp Roberts	None	None
				Onsite	USARC	Ft. Hunter Liggett	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Bufo microscaphus californicus</i>	Arroyo Southwestern Toad	E	Amphibian	Onsite	USARC	Ft. Hunter Liggett	None	In Preparation
<i>Buteo solitarius</i>	Hawaiian Hawk	E	Bird	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Kekaha LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Buxus vahlii</i>	Vahl Boxwood	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Caesalpinia kavaiense</i>	Uhiuhi	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Canis lupus</i>	Gray Wolf	T	Mammal	Both	NGB	Camp Ripley	None	In Preparation
				Contig.	USARC	Ft. McCoy	None	None
<i>Caretta caretta</i>	Loggerhead Sea Turtle	T	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Cenchrus agrimonoides</i>	Kamanomano	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Chamaesyce deltoidea</i> ssp. <i>deltoidea</i>	Deltoid Spurge	E	Plant	Both	USARC	Martinez Reserve Center	None	Completed
<i>Chamaesyce rockii</i>	Akoko	PE	Plant	Contig.	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Charadrius alexandrinus nivosus</i>	Western Snowy Plover	T	Bird	Both	TRADOC	Pom Annex	None	Completed
<i>Charadrius melanotos</i>	Piping Plover	T	Bird	Both	NGB	Camp Grafton	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
<i>Charadrius montanus</i>	Mountain Plover	C	Bird	Contig.	AMC	Dugway Proving Ground	NA	NA
				Both	FORSCOM	Ft. Carson	NA	NA
				Both	FORSCOM	Pinon Canyon MS	NA	NA
				Contig.	AMC	White Sands Missile Rng.	NA	NA
<i>Chasiempis sandwichensis ibidis</i>	Oahu 'Elepaio	C	Bird	Contig.	USARPAC	Kahuku TA	NA	NA
				Both	USARPAC	Kawaihoa TA	NA	NA
				Both	USARPAC	Makua MR	NA	NA
				Both	USARPAC	Schofield Barracks MR	NA	NA
<i>Chelonia mydas</i>	Green Sea Turtle	T	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Chlorogalium purpureum</i> var. <i>purpureum</i>	Purple Amole	C	Plant	Onsite	USARC	Ft. Hunter Liggett	NA	NA
<i>Chorizanthe pungens</i> var. <i>pungens</i>	Monterey Spineflower	T	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Chorizanthe robusta</i>	Robust Spineflower	E	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Cicindela puritana</i>	Puritan Tiger Beetle	T	Insect	Contig.	AMC	Aberdeen Proving Ground	None	None
<i>Cirsium fontinale</i> var. <i>obispoense</i>	Chorro Creek Bog Thistle	E	Plant	Both	NGB	Camp San Luis Obispo	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Clematis hirsutissima</i> var. <i>arizonica</i>	Arizona Leather Flower	C	Plant	Both	NGB	Camp Navajo MR	NA	NA
<i>Clemmys muhlenbergii</i>	Bog (Northern Population) Turtle	C	Reptile	Onsite	AMC	Letterkenny Army Depot	NA	NA
				Contig.	AMC	Picatinny Arsenal Tacom-ARDEC	NA	NA
<i>Colubrina oppositifolia</i> Kauila		E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Corvus hawaiiensis</i>	Alala Hawaiian Crow	E	Bird	Contig.	USARPAC	Pohakuloa TA	None	In Preparation
<i>Coryphantha sneedii</i> var. <i>sneedii</i>	Sneed Pincushion Cactus	E	Plant	Both	TRADOC	Ft. Bliss	None	In Preparation
<i>Ctenitis squamigera</i>	Pauoa	E	Plant	Contig.	USARPAC	Makua MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cyanea acuminata</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawaihoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea grimesiana</i> ssp. <i>grimesiana</i>	Haha Oha	E	Plant	Contig.	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawaihoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cyanea koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea longiflora</i>	Haha Oha	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cyanea superba</i> spp. <i>superba</i>	Oha	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Cynomys parvidens</i>	Utah Prairie Dog	T	Mammal	Contig.	NGB	Cedar City Armory	None	None
<i>Cyperus trachysanthos</i>	Pu'uka'a	PE	Plant	Onsite	USARPAC	Dillingham TA	NA	In Preparation
<i>Cyprinella caerulea</i>	Blue Shiner	T	Fish	Both	TRADOC	Ft. McClellan	None	Completed
<i>Cytandra dentata</i>	Ha'iwale	PE	Plant	Onsite	USARPAC	Kawaihoa TA	NA	In Preparation
<i>Cytandra subumbellata</i>	Ha'iwale	PE	Plant	Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Cytandra viridiflora</i>	Ha'iwale	PE	Plant	Both	USARPAC	Kawaihoa TA	NA	In Preparation
<i>Daphnopsis hellerana</i>	No Common Name	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Delissea subcordata</i>	'Oha	PE	Bird	Onsite	AMC	Jefferson Proving Ground	NA	None
				Contig.	USARPAC	Kawaihoa TA	NA	In Preparation
				Contig.	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Dendroica chrysoparia</i>	Golden-cheeked Warbler	E	Bird	Both	FORSCOM	Ft. Hood	None	In Preparation
<i>Dendroica kirtlandii</i>	Kirtland's Warbler	E	Bird	Both	NGB	Camp Grayling	None	Completed
<i>Dermochelys coriacea</i>	Leatherback Sea Turtle	E	Reptile	Contig.	MTMC	Sunny Point	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Diellia falcata</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Diplazium molokaiense</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Dromus dromas</i>	Dromedary Pearly Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Drymarchon corais couperi</i>	Eastern Indigo Snake	T	Reptile	Both	NGB	Camp Blanding TS	None	Completed
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
<i>Dubautia herbstobatae</i>	Na`ena`e	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Echinacea laevigata</i>	Smooth Coneflower	E	Plant	Onsite	TRADOC	Ft. Jackson	None	In Preparation
				Onsite	NGB	Leesburg TS	None	In Preparation
				Contig.	AMC	Radford AAP	NR	None
<i>Echinocactus horizonthalonius</i>	Nichol's Turk's Head Cactus	E	Plant	Onsite	AMC	Yuma Proving Ground	None	None
<i>var. nicholii</i>								
<i>Echinocereus fendleri</i>	Kuenzler Hedgehog Cactus	E	Plant	Contig.	TRADOC	Ft. Bliss	None	None
<i>var. kuenzleri</i>								
<i>Empidonax traillii extimus</i>	Southwestern Willow Flycatcher	E	Bird	Both	NGB	Clark County TS	None	None
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Contig.	TRADOC	Ft. Huachuca	None	None
				Contig.	AMC	White Sands Missile Rng.	None	None
<i>Epicrates inornatus</i>	Puerto Rican Boa	E	Reptile	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Epioblasma walkeri</i>	Tan Riffleshell	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Eragrostis fosbergii</i>	Fosberg's Love Grass	PE	Plant	Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Erigeron basalticus</i>	Basalt Daisy	C	Plant	Both	FORSCOM	Yakima TC	NA	NA
<i>Erigeron lemmonii</i>	Lemmon Fleabane	C	Plant	Onsite	TRADOC	Ft. Huachuca	NA	NA
<i>Etheostoma cragini</i>	Arkansas Darter	C	Fish	Contig.	NGB	Camp Crowder	NA	NA
				Both	FORSCOM	Ft. Carson	NA	NA
<i>Etheostoma sellare</i>	Maryland Darter	E	Fish	Contig.	AMC	Aberdeen Proving Ground	None	None
<i>Eugenia koolauensis</i>	Nioi	E	Plant	Onsite	USARPAC	Kahuku TA	None	In Preparation
				Contig.	USARPAC	Kawaiiloa TA	None	In Preparation
<i>Euphilotes enoptes smithi</i>	Smith's Blue Butterfly	E	Insect	Both	TRADOC	Pom Annex	None	Completed
<i>Euphorbia haelleleana</i>	'Akoko	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
<i>Falco femoralis septentrionalis</i>	Northern Aplomado Falcon	E	Bird	Contig.	TRADOC	Ft. Bliss	None	In Preparation
				Both	AMC	White Sands Missile Rng.	None	In Preparation
<i>Falco peregrinus</i>	Peregrine Falcon	E(S/A)	Bird	Contig.	AMC	Aberdeen Proving Ground	None	None
				Both	NGB	Camp Navajo MR	None	NR
				Contig.	NGB	Camp Smith	None	None
				Both	USARC	Devens RFT.A	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
				Both	FORSCOM	Ft. Campbell	None	None
				Contig.	TRADOC	Ft. Eustis	None	In Preparation
				Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	TRADOC	Ft. Huachuca	None	None
				Both	USARC	Ft. McCoy	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Both	AMC	Sierra Army Depot	None	None
				Both	NGB	Stead TS	None	Completed
				Contig.	AMC	Sunflower AAP	None	None
				Contig.	MTMC	Sunny Point	None	None
				Contig.	FORSCOM	Yakima TC	None	NR
<i>Falco peregrinus anatum</i>	American Peregrine Falcon	E	Bird	Contig.	AMC	Dugway Proving Ground	None	None
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Carson	NR	NR
				Onsite	USARPAC	Ft. Greely	None	NR
				Both	USARC	Ft. Hunter Liggett	None	None
				Onsite	USARPAC	Ft. Richardson	None	NR
				Onsite	USARPAC	Ft. Wainwright	None	NR
				Both	AMC	Picatinny Arsenal Tacom-ARDEC	None	None
				Both	FORSCOM	Pinon Canyon MS	NR	NR
				Both	AMC	Redstone Arsenal	None	None
				Both	AMC	Tooele Army Depot	None	None
				Both	AMC	White Sands Missile Rng.	None	In Preparation
<i>Felis concolor coryi</i>	Florida Panther	E	Mammal	NR	NGB	Camp Blanding TS	NR	NR
<i>Felis concolor cougar</i>	Eastern Cougar	E	Mammal	Both	MTMC	Sunny Point	None	None
<i>Flueggea neowawraea</i>	Mehamehame	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Fulica americana alai</i>	Hawaiian Coot	E	Bird	Both	USARPAC	Dillingham TA	None	In Preparation
				Contig.	NGB	Kekaha LTA	None	NR
<i>Gallinula chloropus sandvicensis</i>	Hawaiian Gallinule	E	Bird	Onsite	NGB	Aahoaka & Wailua River LTA	None	None
				Both	USARPAC	Dillingham TA	None	In Preparation
				Contig.	NGB	Kekaha LTA	None	NR
<i>Gardenia mannii</i>	Nanu	PE	Plant	Both	USARPAC	Kahuku TA	NA	In Preparation
				Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Gilia tenuiflora ssp. arenaria</i>	Monterey Sand Gilia	E	Plant	Both	TRADOC	Pom Annex	None	Completed
<i>Gopherus agassizii</i>	Desert Tortoise	T	Reptile	Both	NGB	Clark County TS	None	None
				Both	FORSCOM	Ft. Irwin	Yes	In Preparation
<i>Gopherus agassizii</i> (Sonoran Population)	Sonoran Population of Desert Tortoise	T(S/A)	Reptile	Both	AMC	Yuma Proving Ground	None	None
<i>Gopherus polyphemus</i>	Gopher Tortoise	T	Reptile	Both	NGB	Camp Shelby	None	In Preparation
<i>Grus americana</i>	Whooping Crane	E	Bird	Both	FORSCOM	Ft. Hood	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Gymnogyps californianus</i>	California Condor	E	Bird	Contig.	USARC	Ft. Hunter Liggett	None	None
<i>Haliaeetus leucocephalus</i>	Bald Eagle	T	Bird	Both	AMC	Aberdeen Proving Ground	None	Completed
				Onsite	AMC	Adelphi Army Research Labs	None	Completed
				Both	NGB	Atterbury Reserve Forces TA	None	None
				Both	NGB	Camp Blanding TS	None	Completed
				Both	NGB	Camp Crowder	None	In Preparation
				Both	NGB	Camp Grayling	None	Completed
				Contig.	NGB	Camp Guernsey	None	None
				Both	NGB	Camp Joseph T. Robinson	None	None
				Both	NGB	Camp Murray	None	Completed
				Both	NGB	Camp Navajo MR	None	In Preparation
				Onsite	NGB	Camp Ripley	None	Completed
				Both	NGB	Camp Roberts	None	None
				Contig.	NGB	Camp Smith	None	None
				Both	USARC	Devens RFT.A	None	None
				Both	AMC	Dugway Proving Ground	None	None
				Both	MDW	Ft. A.P. Hill	None	Completed
				Both	MDW	Ft. Belvoir	None	In Preparation
				Both	TRADOC	Ft. Benning	None	In Preparation
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Campbell	None	None
				Both	FORSCOM	Ft. Carson	NR	NR
				Both	TRADOC	Ft. Eustis	None	In Preparation
				Onsite	TRADOC	Ft. Gordon	None	In Preparation
				Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	USARC	Ft. Hunter Liggett	None	In Preparation
				Onsite	TRADOC	Ft. Jackson	None	None
				Both	TRADOC	Ft. Knox	None	In Preparation
				Both	TRADOC	Ft. Lee	None	In Preparation
				Both	FORSCOM	Ft. Lewis	None	Completed
				Both	USARC	Ft. McCoy	None	None
				Both	USARC	Ft. Pickett	None	None
				Both	FORSCOM	Ft. Riley	None	In Preparation
				Contig.	TRADOC	Ft. Rucker	None	None
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Both	AMC	Holston AAP	None	In Preparation
				Both	NGB	Macon TS	None	In Preparation
				Both	AMC	Newport Chemical Depot	None	None
				Both	AMC	Picatinny Arsenal Tacom-ARDEC	None	None
				Both	AMC	Pine Bluff Arsenal	None	None
				Both	FORSCOM	Pinon Canyon MS	NR	NR

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
				Contig.	AMC	Ravenna AAP	None	None
				Both	AMC	Redstone Arsenal	None	None
				Both	AMC	Rock Island Arsenal	None	None
				Both	AMC	Savanna Army Depot	None	Completed
				Both	AMC	Sierra Army Depot	None	None
				Both	NGB	Skelton TS	None	In Preparation
				Both	NGB	Stead TS	None	Completed
				Both	AMC	Sunflower AAP	None	None
				Both	MTMC	Sunny Point	None	None
				Both	AMC	Tooele Army Depot	None	None
				Both	NGB	Truman TS	None	In Preparation
				Both	AMC	Twin Cities AAP	None	None
				Contig.	NGB	Wappapello TS	None	None
				Both	USMA	West Point	None	In Preparation
				Both	AMC	White Sands Missile Rng.	None	None
				Both	FORSCOM	Yakima TC	None	None
<i>Haplostachys haplostachya</i>	No Common Name	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
<i>Hedeoma todsenii</i>	Todsen's Pennyroyal	E	Plant	Contig.	TRADOC	Ft. Bliss	None	None
				Both	AMC	White Sands Missile Rng.	None	None
<i>Hedyotis coriacea</i>	Kio'ele	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Hedyotis parvula</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Helianthus eggertii</i>	Egger's Sunflower	PT	Plant	Both	NGB	Tullahoma TS	NA	In Preparation
<i>Helonias bullata</i>	Swamp Pink	T	Plant	Onsite	MDW	Ft. A.P. Hill	None	None
<i>Hemignathus munroi</i>	'Akiapola'au (Honeycreeper)	E	Bird	Both	USARPAC	Pohakuloa TA	None	In Preparation
<i>Hesperomannia arborescens</i>	No Common Name	E	Plant	Both	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawaihoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Hibiscus brackenridgei</i> ssp. <i>mokuleianus</i>	Ma'o Hau Hele	E	Plant	Contig.	USARPAC	Dillingham TA	None	In Preparation
<i>Himantopus mexicanus knudseni</i>	Hawaiian Stilt	E	Bird	Both	USARPAC	Dillingham TA	None	In Preparation
				Contig.	NGB	Kekaha LTA	None	NR
<i>Howellia aquatilis</i>	Water Howellia	T	Plant	Both	FORSCOM	Ft. Lewis	None	In Preparation
<i>Hymenoxys texana</i>	Texas Prairie Dawn-flower	E	Plant	Both	NGB	Addicks Reservoir	None	NR
<i>Isodendrion hosakae</i>	Aupaka	E	Plant	Onsite	NGB	Keamuku LTA	None	None
<i>Isodendrion laurifolium</i>	Aupaka	PE	Plant	Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Isoetes louisianensis</i>	Lousiana Quillwort	E	Plant	Both	NGB	Camp Shelby	None	None
<i>Isotria medeoloides</i>	Small Whorled Pogonia	T	Plant	Onsite	MDW	Ft. A.P. Hill	None	None
				Contig.	NGB	Regional Training Institute	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Labordia cyrtandrae</i>	Kamakahala	PE	Plant	Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Lampsilis abrupta</i>	Pink Mucket Pearlymussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
				Contig.	NGB	Skelton TS	None	In Preparation
				Contig.	NGB	Wappapello TS	None	None
<i>Lampsilis higginsi</i>	Higgins' Eye Pearlymussel	E	Clam	Both	AMC	Savanna Army Depot	None	None
<i>Lasiurus cinereus semotus</i>	Hawaiian Hoary Bat	E	Mammal	Both	NGB	Aahoaka & Wailua River LTA	None	None
				Both	USARPAC	Kawaihoa TA	None	In Preparation
				Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Keaukaha MR	None	None
				Both	NGB	Kekaha LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Lepidium arbuscula</i>	Anaunau	PE	Plant	Both	USARPAC	Makua MR	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Lepidochelys kempii</i>	Kemp's Ridley Sea Turtle	E	Reptile	Contig.	MTMC	Sunny Point	None	None
<i>Leptonycteris curasoae yerbabuenae</i>	Lesser Long-nosed Bat	E	Mammal	Both	TRADOC	Ft. Huachuca	None	None
<i>Lespedeza leptostachya</i>	Prairie Bush Clover	T	Plant	Contig.	AMC	Badger AAP	None	None
<i>Lilaeopsis schaffneriana ssp. recurva</i>	Huachuca Water-umbel	PE	Plant	Both	TRADOC	Ft. Huachuca	NA	None
<i>Lindera melissifolia</i>	Pondberry	E	Plant	Contig.	NGB	Wappapello TS	None	None
<i>Lipochaeta lobata var. leptophylla</i>	Nehe	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Lipochaeta tenuifolia</i>	Nehe	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
<i>Lipochaeta venosa</i>	No Common Name	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Lobelia gaudichaudii ssp. koolauensis</i>	Haha Oha	PE	Plant	Both	USARPAC	Kawaihoa TA	NA	In Preparation
<i>Lobelia niihauensis</i>	Haha Oha	E	Plant	Contig.	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Lobelia oahuensis</i>	Haha Oha	E	Plant	Both	USARPAC	Kawaihoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Loxioides bailleui</i>	Palila	E	Bird	Both	USARPAC	Pohakuloa TA	Yes	In Preparation
<i>Loxops coccineus coccineus</i>	Hawaii 'Akepa	E	Bird	Onsite	NGB	Keamuku LTA	None	None
				Contig.	USARPAC	Pohakuloa TA	None	Completed
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Lycaeides melissa samuelis</i>	Karner Blue Butterfly	E	Insect	Both	USARC	Ft. McCoy	None	In Preparation
				Contig.	NGB	State MR	None	None
<i>Lycopodium nutans</i>	Wawae`Iole	E	Plant	Onsite	USARPAC	Kawaihoa TA	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Lysimachia asperulaefolia</i>	Rough-leaved Loosestrife	E	Plant	Both	FORSCOM	Ft. Bragg	None	In Preparation
				Onsite	TRADOC	Ft. Jackson	None	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
				Onsite	NGB	Leesburg TS	None	In Preparation
				Both	MTMC	Sunny Point	None	In Preparation
<i>Macrhybopsis gelida</i>	Sturgeon Chub	C	Fish	Both	FORSCOM	Ft. Riley	NA	NA
				Contig.	NGB	Skelton TS	NA	NA
<i>Macrhybopsis meeki</i>	Sicklefin Chub	C	Fish	Contig.	NGB	Skelton TS	NA	NA
<i>Manduca blackburni</i>	Blackburn's Sphinx Moth	C	Insect	Onsite	NGB	Kanaio LTA	NA	NA
<i>Marshallia mohrii</i>	Mohr's Barbara Buttons	T	Plant	Onsite	TRADOC	Ft. McClellan	None	Completed
<i>Melicope lydgatei</i>	Alani	E	Plant	Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Monachus schauinslandi</i>	Hawaiian Monk Seal	E	Mammal	Both	USARPAC	Dillingham TA	None	In Preparation
<i>Mycteria americana</i>	Wood Stork	E	Bird	Both	NGB	Camp Blanding TS	None	Completed
				Both	TRADOC	Ft. Benning	None	In Preparation
				Onsite	TRADOC	Ft. Gordon	None	In Preparation
				Both	FORSCOM	Ft. Stewart & Hunter Army Airfield	None	In Preparation
				Contig.	MTMC	Sunny Point	None	None
<i>Myotis grisescens</i>	Gray Bat	E	Mammal	Both	NGB	Camp Crowder	None	In Preparation
				Contig.	FORSCOM	Ft. Campbell	None	None
				Onsite	TRADOC	Ft. Knox	None	In Preparation
				Both	TRADOC	Ft. McClellan	None	Completed
				Contig.	TRADOC	Ft. Rucker	None	None
				Contig.	AMC	Indiana AAP	None	None
				Both	AMC	Redstone Arsenal	None	None
				Contig.	NGB	Skelton TS	None	None
				Contig.	NGB	Truman TS	None	None
				Contig.	NGB	Tullahoma TS	None	None
				Both	NGB	Western Kentucky TS	None	None
<i>Myotis sodalis</i>	Indiana Bat	E	Mammal	Contig.	FORSCOM	Ft. Campbell	None	None
				Both	TRADOC	Ft. Knox	None	In Preparation
				Contig.	AMC	Indiana AAP	None	None
				Onsite	AMC	Jefferson Proving Ground	None	None
				Contig.	NGB	Macon TS	None	None
				Both	AMC	Picatinny Arsenal Tacom-ARDEC	None	In Preparation
				Contig.	AMC	Ravenna AAP	None	None
				Contig.	AMC	Savanna Army Depot	None	None
<i>Myrsine juddii</i>	Kolea	PE	Plant	Both	USARPAC	Kawaiola TA	NA	In Preparation
<i>Neonympha mitchellii francisci</i>	Saint Francis' Satyr Butterfly	E	Insect	Onsite	FORSCOM	Ft. Bragg	None	In Preparation
<i>Neraudia angulata var. angulata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Neraudia angulata var. dentata</i>	Ma'aloa	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Neraudia ovata</i>	Ma'aloa	PE	Plant	Onsite	USARPAC	Pohakuloa TA	NA	In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Nerodia erythrogaster neglecta</i>	Northern Copperbelly Water Snake	PT	Reptile	Contig.	FORSCOM	Ft. Campbell	NA	None
<i>Nesochen sandvicensis</i>	Hawaiian Goose	E	Bird	Onsite Both Both	NGB NGB USARPAC	Keamuku LTA Kekaha LTA Pohakuloa TA	None None None	None None In Preparation
<i>Nicrophorus americanus</i>	American Burying Beetle	E	Insect	Contig. Both Both Both	NGB NGB TRADOC AMC	Camp Crowder Camp Gruber Ft. Chaffee McAlester AAP	None None None None	None Completed In Preparation In Preparation
<i>Nothocestrum breviflorum</i>	Aiea	E	Plant	Onsite Onsite	NGB NGB	Keamuku LTA Pu'u Pa LTA	None None	None None
<i>Nototrichium humile</i>	Kulu'i	E	Plant	Onsite Both Contig.	USARPAC USARPAC USARPAC	Dillingham TA Makua MR Schofield Barracks MR	None None None	In Preparation In Preparation In Preparation
<i>Notropis topeka</i>	Topeka Shiner	C	Fish	Both Contig.	FORSCOM NGB	Ft. Riley Skelton TS	NA NA	NA NA
<i>Obovaria retusa</i>	Ring Pink	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Oncorhynchus clarkii stomias</i>	Greenback Cutthroat Trout	T	Fish	Onsite	FORSCOM	Ft. Carson	NR	NR
<i>Oreomystis mana</i>	Hawaii Creeper	E	Bird	Onsite Contig. Onsite	NGB USARPAC NGB	Keamuku LTA Pohakuloa TA Pu'u Pa LTA	None None None	None Completed None
<i>Ottoschulzia rhodoxylon</i>	Palo de Rosa	E	Plant	Onsite	FORSCOM	Ft. Buchanan	None	None
<i>Palaemonias alabamae</i>	Alabama Cave Shrimp	E	Crustacean	Both	AMC	Redstone Arsenal	None	In Preparation
<i>Paroreomyza flammea</i>	Molokai Creeper	E	Bird	Both	USARPAC USARPAC USARPAC	Kawaiola TA Makua MR Schofield Barracks MR	None None None	In Preparation In Preparation In Preparation
<i>Phyllostegia hirsuta</i>	No Common Name	PE	Plant	Contig. Onsite Both	USARPAC USARPAC USARPAC	Kahuku TA Kawaiola TA Schofield Barracks MR	None NA NA	In Preparation In Preparation In Preparation
<i>Phyllostegia mollis</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Phyllostegia parviflora var. parviflora</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawaiola TA	None	In Preparation
<i>Picoides borealis</i>	Red-cockaded Woodpecker	E	Bird	Contig. Onsite Contig. Onsite Both Onsite Onsite Contig. Both Onsite	NGB NGB NGB TRADOC FORSCOM TRADOC TRADOC Ft. McClellan FORSCOM FORSCOM	Camp Beauregard Camp Blanding TS Camp Shelby Ft. Benning Ft. Bragg Ft. Gordon Ft. Jackson Ft. Stewart & Hunter Army Airfield Leesburg TS Sunny Point	None None None None None None None None None None	Completed Completed In Preparation In Preparation In Preparation In Preparation In Preparation Completed In Preparation In Preparation

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Piperia yadonii</i>	Yadon's Piperia	PE	Plant	Both	TRADOC	Pom Annex	NA	Completed
				Both	TRADOC	Presidio of Monterey	NA	In Preparation
<i>Plantago princeps</i> <i>var. longibracteata</i>	Laukahia Kuahiwi	E	Plant	Both	USARPAC	Kawaihoa TA	None	In Preparation
<i>Plantago princeps</i> <i>var. princeps</i>	Laukahia Kuahiwi	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Platanthera holochila</i>	No Common Name	PE	Plant	Contig.	USARPAC	Kawaihoa TA	NA	In Preparation
<i>Plethobasus cooperianus</i>	Orange Footed Pearly Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Pleurobema plenum</i>	Rough Pigtoe	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Polygyrusc virginianus</i>	Virginia Fringed Mountain Snail	E	Snail	Both	AMC	Radford AAP	None	None
<i>Portulaca sclerocarpa</i>	Po'e	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Pritchardia kaalae</i>	Loulu	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Psittirostra psittacea</i>	O'u	E	Bird	Contig.	USARPAC	Pohakuloa TA	None	Completed
<i>Pteris lidgatei</i>	No Common Name	E	Plant	Onsite	USARPAC	Kawaihoa TA	None	In Preparation
				Onsite	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Pterodroma phaeopygia</i>	Hawaiian Dark-rumped Petrel	E	Bird	Onsite	NGB	Kanaio LTA	None	None
				Contig.	USARPAC	Pohakuloa TA	None	In Preparation
<i>Ptilimnium nodosum</i>	Harperella	E	Plant	Both	NGB	Lil Aaron Straus Wilderness Area	None	In Preparation
<i>Puffinus auricularis</i> <i>newelli</i>	Newell's Townsend's Shearwater	T	Bird	Both	NGB	Aahoaka & Wailua River LTA	None	None
<i>Pyrgulopsis thompsoni</i>	Huachuca Springsnail	C	Snail	Both	TRADOC	Ft. Huachuca	NA	NA
<i>Quadrula fragosa</i>	Winged Mapleleaf Mussel	E	Clam	Contig.	FORSCOM	Ft. Campbell	None	None
<i>Rana aurora draytoni</i>	California Red-legged Frog	PE	Amphibian	Both	NGB	Camp San Luis Obispo	NA	In Preparation
				Contig.	USARC	Ft. Hunter Liggett	NA	None
				Both	USARC	Parks RFT.A	NA	None
				Contig.	TRADOC	Pom Annex	NA	Completed
<i>Rana pretiosa</i>	Spotted Frog	C	Amphibian	Contig.	AMC	Dugway Proving Ground	NA	NA
				Contig.	FORSCOM	Ft. Lewis	NA	NA
<i>Rana subaquavocalis</i>	Ramsey Canyon Leopard Frog	C	Amphibian	Both	TRADOC	Ft. Huachuca	NA	NA
<i>Rhododendron chapmanii</i>	Chapman's Rhododendron	E	Plant	Onsite	NGB	Camp Blanding TS	None	Completed
<i>Rhus michauxii</i>	Michaux's Sumac	E	Plant	Both	FORSCOM	Ft. Bragg	None	In Preparation
				Onsite	USARC	Ft. Pickett	None	None
<i>Rollandia crispa</i>	Haha Oha	E	Plant	Both	USARPAC	Kawaihoa TA	None	In Preparation
<i>Rumex orthoneurus</i>	Blumer's Dock	C	Plant	Both	TRADOC	Ft. Huachuca	NA	NA

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Salvelinus confluentus</i>	Bull Trout	C	Fish	Contig.	FORSCOM	Ft. Lewis	NA	NA
<i>Sanicula mariversa</i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Sanicula purpurea</i>	No Common Name	PE	Plant	Both	USARPAC	Kawaiola TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Scaphirhynchus albus</i>	Pallid Sturgeon	E	Fish	Contig.	NGB	Skelton TS	None	In Preparation
<i>Schiedea hookeri</i>	No Common Name	PE	Plant	Both	USARPAC	Makua MR	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Schiedea kealiae</i>	Ma`oli`oli	PE	Plant	Onsite	USARPAC	Dillingham TA	NA	In Preparation
<i>Schiedea nuttallii</i>	No Common Name	PE	Plant	Onsite	USARPAC	Makua MR	NA	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Schwalbea americana</i>	American Chaffseed	E	Plant	Both	FORSCOM	Ft. Bragg	None	In Preparation
<i>Scutellaria montana</i>	Large-flowered Skullcap	E	Plant	Onsite	AMC	Volunteer AAP	None	Completed
<i>Sesbania tomentosa</i>	Ohai	E	Plant	Onsite	NGB	Kanaio LTA	None	None
<i>Silene hawaiiensis</i>	Hawaiian Catchfly	T	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Silene lanceolata</i>	Lanceleaf Catchfly	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Solanum incompletum</i>	Spiny Popolo	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Solanum sandwicense</i>	Popolo `Aiaakeakua	E	Plant	Contig.	USARPAC	Kahuku TA	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Solidago houghtonii</i>	Houghton's Goldenrod	T	Plant	Both	NGB	Camp Grayling	None	In Preparation
<i>Spermolepis hawaiiensis</i>	Hawaiian Parsley	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
				Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Speyeria zerene hippolyta</i>	Oregon Silverspot	T	Insect	Onsite	NGB	Camp Rilea	Yes	In Preparation
	Butterfly							
<i>Spiranthes diluvialis</i>	Ute Ladies'-tresses	T	Plant	Contig.	AMC	Dugway Proving Ground	None	None
				Onsite	FORSCOM		NR	NR
						Ft. Carson		
<i>Stenogyne angustifolia</i>	No Common Name	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Stenogyne kanehoana</i>	No Common Name	E	Plant	Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Sterna antillarum</i>	Least Tern	E	Bird	Both	FORSCOM	Ft. Riley	None	In Preparation
				Both	NGB	Skelton TS	None	In Preparation
<i>Sterna dougallii</i>	Roseate Tern	E	Bird	Contig.	MTMC	Sunny Point	None	None
<i>dougallii</i>								
<i>Strix occidentalis caurina</i>	Northern Spotted Owl	T	Bird	H	FORSCOM	Ft. Lewis	Yes	Completed
<i>Strix occidentalis lucida</i>	Mexican Spotted Owl	T	Bird	Both	NGB	Camp Navajo MR	Yes	In Preparation
				Both	TRADOC	Ft. Bliss	None	In Preparation
				Both	FORSCOM	Ft. Carson	NR	NR
				Both	TRADOC	Ft. Huachuca	Yes	None
				Contig.	AMC	White Sands Missile Rng.	None	None

Scientific Name	Common Name	Fed Stat	Cat	Occur	MACOM	Installation	Crit	ESMP
<i>Tetramolopium arenarium</i>	Mauna Kea Pamakani	E	Plant	Onsite	USARPAC	Pohakuloa TA	None	In Preparation
<i>Tetramolopium arenarium arenarium</i>	No Common Name	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Onsite	NGB	Pu'u Pa LTA	None	None
<i>Tetramolopium filiforme var. <i>polyphyllum</i></i>	No Common Name	E	Plant	Both	USARPAC	Makua MR	None	In Preparation
<i>Tetramolopium lepidotum ssp. <i>lepidotum</i></i>	No Common Name	E	Plant	Contig.	USARPAC	Makua MR	None	In Preparation
				Contig.	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Tetraplasandra gymnocarpa</i>	'Ohe`ohe	E	Plant	Both	USARPAC	Kahuku TA	None	In Preparation
				Both	USARPAC	Kawaihoa TA	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Thalictrum cooleyi</i>	Cooley's Meadowrue	E	Plant	Contig.	MTMC	Sunny Point	None	None
<i>Trichechus manatus</i>	West Indian Manatee	E	Mammal	Contig.	MTMC	Sunny Point	None	None
<i>Trifolium stoloniferum</i>	Running Buffalo Clover	E	Plant	Both	AMC	Bluegrass Army Depot	None	None
<i>Trillium reliquum</i>	Relict Trillium	E	Plant	Onsite	TRADOC	Ft. Benning	None	In Preparation
<i>Uroa kaalae</i>	Opuhe	E	Plant	Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Ursus americanus floridanus</i>	Florida Black Bear	C	Mammal	Both	NGB	Camp Blanding TS	NA	NA
<i>Vigna o-wahuensis</i>	No Common Name	E	Plant	Onsite	NGB	Keamuku LTA	None	None
<i>Viola chamissoniana ssp.</i>	Pamakani	E	Plant	Onsite	USARPAC	Makua MR	None	In Preparation
				Both	USARPAC	Schofield Barracks MR	None	In Preparation
<i>Viola oahuensis</i>	No Common Name	PE	Plant	Both	USARPAC	Kawaihoa TA	NA	In Preparation
				Both	USARPAC	Schofield Barracks MR	NA	In Preparation
<i>Vireo atricapillus</i>	Black-capped Vireo	E	Bird	Both	NGB	Camp Barkeley	None	Completed
				Both	FORSCOM	Ft. Hood	None	In Preparation
				Both	MEDCOM	Ft. Sam Houston	None	In Preparation
				Both	TRADOC	Ft. Sill	None	In Preparation
<i>Vireo bellii pusillus</i>	Least Bell's Vireo	E	Bird	Onsite	NGB	Camp San Luis Obispo	None	In Preparation
				Both	USARC	Ft. Hunter Liggett	None	None
<i>Vulpes macrotis mutica</i>	San Joquin Kit Fox	E	Mammal	Both	NGB	Camp Roberts	None	None
				Both	USARC	Ft. Hunter Liggett	None	In Preparation
				Contig.	USARC	Parks RFT.A	None	None
<i>Vulpes velox</i>	Swift Fox	C	Mammal	Both	FORSCOM	Pinon Canyon MS	NA	NA
<i>Xyris tennesseensis</i>	Tennessee Yellow-eyed Grass	E	Plant	Both	AMC	Anniston Army Depot	None	Completed
				Both	TRADOC	Ft. McClellan	None	Completed
<i>Zanthoxylum hawaiiense</i>	A'e	E	Plant	Onsite	NGB	Keamuku LTA	None	None
				Both	USARPAC	Pohakuloa TA	None	In Preparation

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